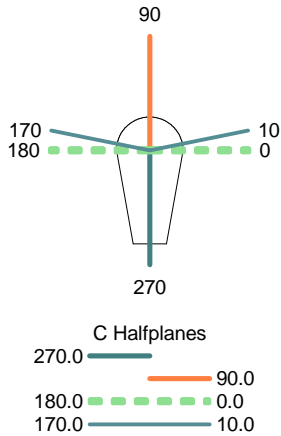
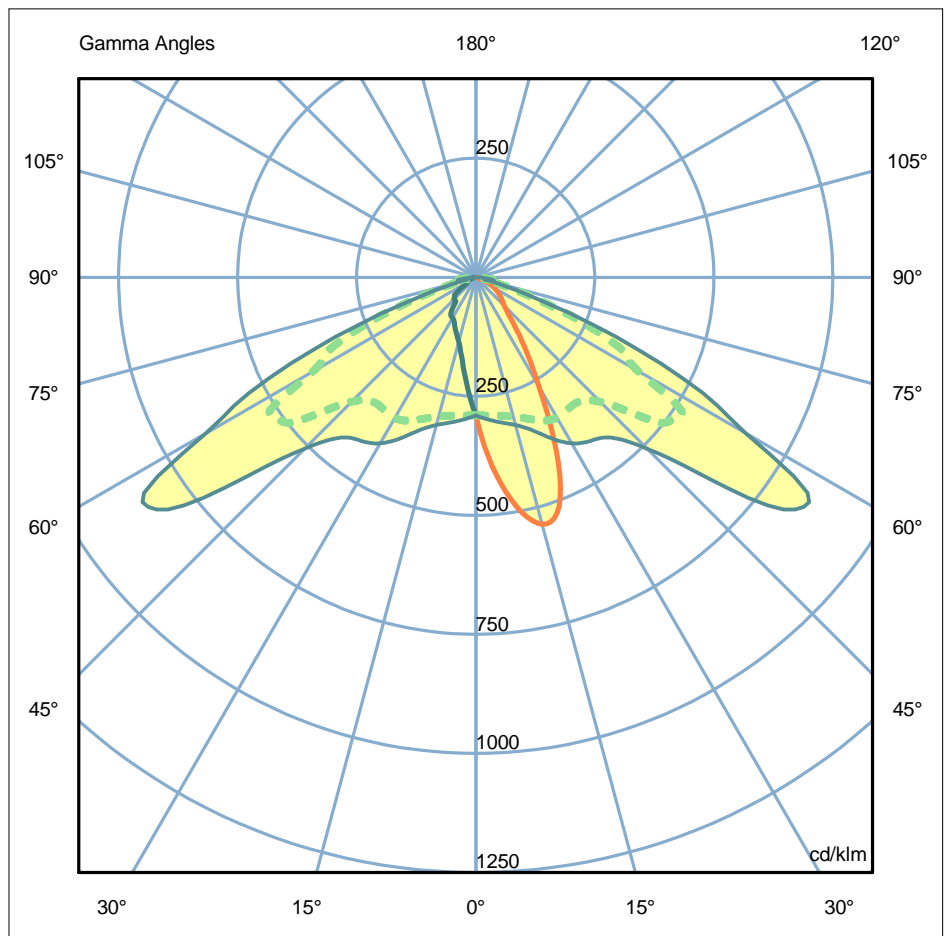


Luminaire		Measur.		Lamp			
Code	OX87055	Code	87055.V55	Code	10322-6-7		
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2		
Line	AVENUE	Date	23-05-2006	Position			
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm		
Maximum value	840.31 cd/klm	Position	C=10.00 G=55.00	Sym. on planes	270-90		
Rectangular Luminaire	Length	770 mm	Width	370 mm	Height	205 mm	
Rectangular Luminous Area	Length	290 mm	Width	230 mm	Height	0 mm	
Horizontal Luminous Area	0.066700 m2	Emitting area on Plane 180°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2	Glare area at 76°	0.016136 m2
Symmetry Type	Sym. on planes 270-90	Maximum Gamma Angle	180	Measurement Flux	9256.00 lm		
Measurement Distance	9.53	Source voltage	230.00 V	Source current		Photocell	II1700
Operator	Marchesi	Temperature	25.00 °C	Humidity	60.00 %	Notes	

Line	Luminaire Lamps			Flux [lm]	Pow. [W]	Q.ty
	Code	Name				
	10322-6-7	VIALOX NAV SUPER		0.00	0.00	1
	NAVT100			10000.00	100.00	1
C.I.E.	48 85 98 100 82	D DIN 5040	A30			



ULOR 0.04 %
DLOR 82.27 %
RN 0.05 %



Luminaire			Measur.			Lamp		
Code	OX87055		Code	87055.V55		Code	10322-6-7	
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ		Name	AVENUE 100W ST		Number	2	
Line	AVENUE		Date	23-05-2006		Position		

Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm
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Luminous Intensity Table cd/klm Table 1/3

	C 270.00	C 285.00	C 300.00	C 310.00	C 315.00	C 320.00	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00
G 0.0	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83
G 10.0	170.48	174.64	200.16	221.33	232.38	239.91	246.01	251.25	257.35	265.35	275.07	280.93	289.34
G 20.0	121.77	129.26	167.25	186.73	194.47	202.37	211.15	222.57	234.23	247.24	263.75	278.46	299.07
G 30.0	97.86	104.79	123.47	132.75	145.53	151.64	158.11	167.12	172.62	191.62	219.96	256.20	299.07
G 35.0	91.25	93.27	111.17	118.49	127.78	129.53	123.40	135.12	149.69	171.30	197.86	232.95	283.02
G 40.0	65.46	77.13	104.27	110.51	113.01	110.99	111.50	120.78	128.23	141.15	167.45	209.86	272.81
G 45.0	64.91	67.95	82.82	89.66	101.93	103.05	106.57	122.51	141.47	147.27	161.30	202.39	278.65
G 47.5	60.83	71.56	85.33	78.52	90.80	125.51	119.67	116.72	124.89	135.37	154.90	199.47	287.40
G 50.0	58.19	76.81	80.93	64.20	142.61	97.65	108.16	115.29	123.81	131.79	152.25	204.22	314.63
G 52.5	46.17	61.05	92.13	100.65	94.80	102.69	106.72	112.27	119.03	128.91	150.97	207.73	330.19
G 55.0	30.20	41.09	81.14	72.74	97.67	98.00	102.44	110.54	117.46	125.19	145.90	204.17	327.28
G 57.5	21.67	24.11	59.85	70.39	92.85	99.79	100.10	106.68	112.88	121.91	144.87	206.25	333.60
G 60.0	24.02	21.89	40.75	66.71	90.18	97.44	95.42	105.00	108.50	90.47	67.02	114.45	233.91
G 62.5	24.80	21.59	24.77	62.36	86.54	93.88	88.19	31.60	22.29	28.05	45.86	100.50	221.12
G 65.0	24.24	21.20	15.94	49.79	74.74	32.52	14.09	15.97	18.97	24.38	39.76	84.97	190.48
G 67.5	21.08	19.54	12.11	25.74	11.82	11.78	11.71	13.59	16.46	21.15	33.21	66.03	143.41
G 70.0	15.38	15.18	8.87	8.36	8.91	9.08	9.73	11.45	13.95	17.54	25.24	44.81	91.67
G 72.5	11.14	10.36	5.65	5.99	6.58	7.02	7.31	8.72	10.58	13.00	17.58	28.79	52.76
G 75.0	6.44	6.74	3.34	4.08	4.57	5.00	5.04	5.87	7.10	8.67	11.43	17.16	26.55
G 77.5	2.38	3.54	2.21	2.28	3.04	3.34	3.42	3.80	4.64	5.61	7.45	10.08	13.41
G 80.0	2.88	2.73	1.63	1.68	2.05	2.25	2.31	2.74	5.14	13.34	28.99	41.79	48.05
G 82.5	1.39	2.26	1.48	1.18	1.47	1.60	1.69	2.80	13.59	31.04	45.57	48.87	48.05
G 85.0	0.96	2.21	1.13	0.88	1.10	1.17	1.34	1.97	12.08	20.72	11.85	11.89	12.94
G 87.5	0.50	1.94	0.73	0.83	1.03	1.10	1.39	2.28	5.24	6.33	6.03	6.98	8.30
G 90.0	0.18	1.51	0.47	0.70	0.86	0.97	1.45	1.79	2.18	3.47	4.00	5.17	6.12
G 92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire			Measur.			Lamp	
Code	OX87055		Code	87055.V55		Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ		Name	AVENUE 100W ST		Number	2
Line	AVENUE		Date	23-05-2006		Position	

Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm
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Luminous Intensity Table cd/klm Table 2/3

	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 60.00	C 75.00
G 0.0	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83	289.83
G 10.0	295.22	303.45	309.61	312.47	316.27	323.78	329.89	340.13	354.52	368.32	384.91	419.05	453.86
G 20.0	316.27	331.17	340.77	341.50	343.20	358.23	368.47	365.03	356.56	345.23	345.55	357.32	442.71
G 30.0	341.24	378.82	402.60	414.33	415.65	410.88	399.63	370.51	345.86	321.12	309.26	277.28	292.49
G 35.0	338.30	384.17	419.41	430.07	425.93	416.79	403.09	368.02	329.05	283.68	250.98	225.48	219.71
G 40.0	340.26	396.33	439.20	455.17	449.92	421.21	384.79	323.20	267.42	219.55	187.29	158.36	128.30
G 45.0	370.12	446.90	508.44	518.65	485.66	428.10	347.70	267.42	194.43	147.63	131.93	121.48	92.31
G 47.5	404.39	498.94	576.20	583.11	543.92	450.74	336.82	235.05	164.48	133.22	115.63	113.16	82.92
G 50.0	457.27	589.39	686.49	690.38	619.32	496.01	356.60	230.07	149.04	119.01	113.38	101.75	76.70
G 52.5	502.80	672.06	795.30	793.71	692.27	539.80	390.23	239.53	147.51	113.68	103.51	90.98	70.76
G 55.0	511.12	701.24	840.31	837.02	706.95	543.25	396.17	246.51	144.81	111.67	100.65	83.97	63.91
G 57.5	507.20	682.27	813.60	801.10	657.02	505.36	362.04	223.90	140.69	107.83	96.97	81.35	59.19
G 60.0	390.68	542.70	654.84	635.76	540.99	435.98	310.60	196.46	131.77	101.47	91.29	75.13	53.51
G 62.5	362.29	477.54	556.42	507.33	406.35	302.63	201.79	128.73	124.18	98.95	88.18	71.78	48.31
G 65.0	308.44	388.06	428.81	383.33	305.99	229.31	136.26	63.84	34.74	68.12	76.93	64.45	43.00
G 67.5	230.45	278.65	292.30	254.89	205.57	151.46	89.82	43.72	24.96	16.88	19.58	40.96	31.64
G 70.0	144.57	167.92	166.58	146.00	118.92	87.44	52.48	28.04	18.17	13.48	11.30	13.03	11.29
G 72.5	81.17	87.68	84.33	73.56	62.03	45.81	29.68	17.77	12.96	9.76	7.71	10.93	7.56
G 75.0	37.94	40.31	39.07	36.07	31.24	23.59	16.40	11.11	8.36	5.35	4.14	9.48	6.23
G 77.5	17.52	17.00	16.98	16.90	14.71	12.14	9.22	7.05	5.46	3.43	2.64	7.80	5.90
G 80.0	46.02	39.00	35.26	27.56	24.19	6.18	4.85	3.98	3.24	2.29	1.81	3.96	3.13
G 82.5	46.75	41.14	33.34	22.72	15.82	11.31	2.70	2.16	1.81	1.40	1.21	2.40	2.53
G 85.0	14.89	17.02	16.23	12.30	9.17	6.88	2.73	1.33	1.08	0.93	0.87	0.90	1.99
G 87.5	9.84	12.66	13.33	11.12	10.78	5.02	2.01	1.11	0.91	0.80	0.78	0.76	2.19
G 90.0	7.91	11.20	12.84	9.05	9.66	7.93	1.54	0.82	0.70	0.66	0.64	1.59	1.89
G 92.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	

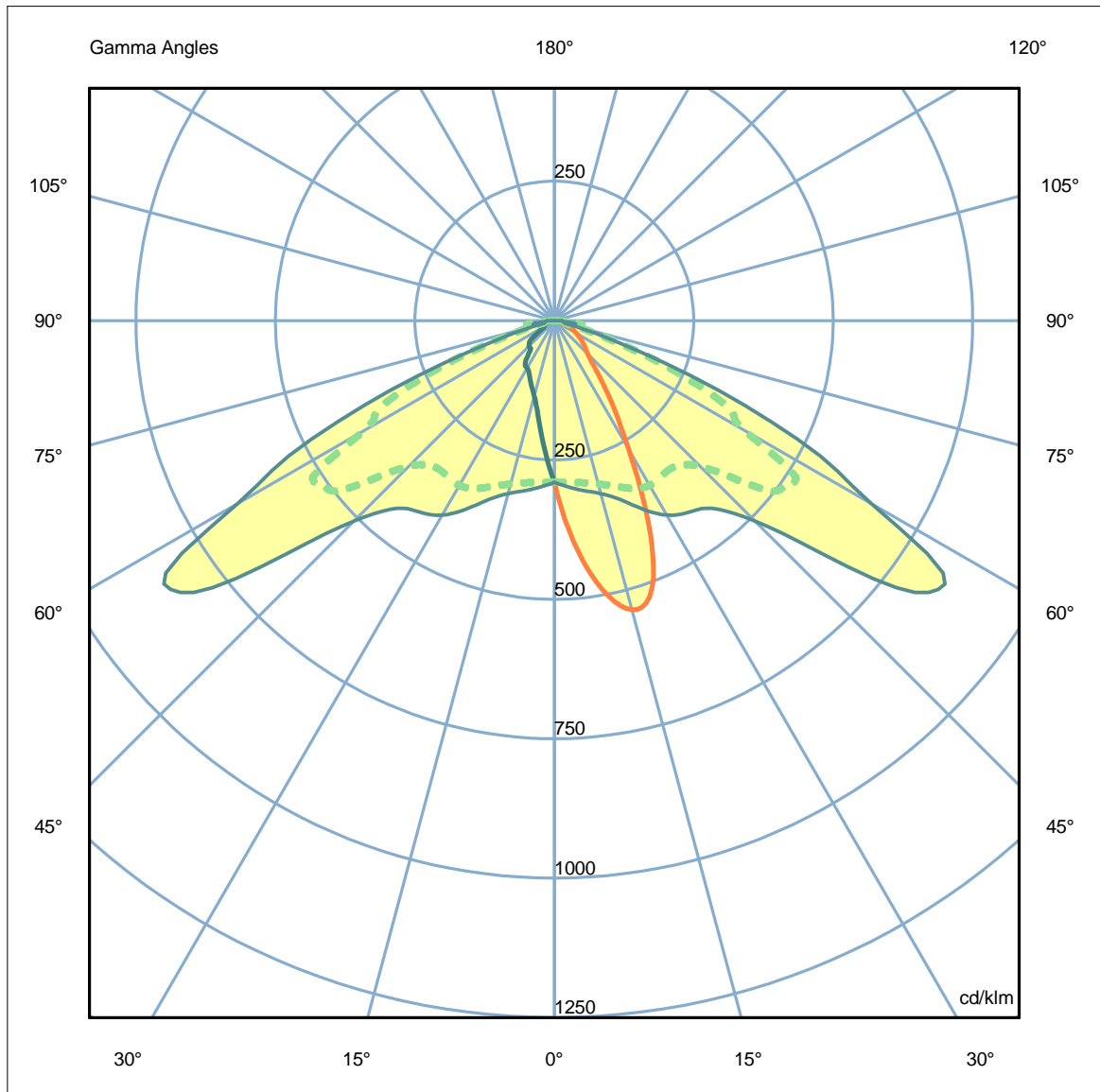
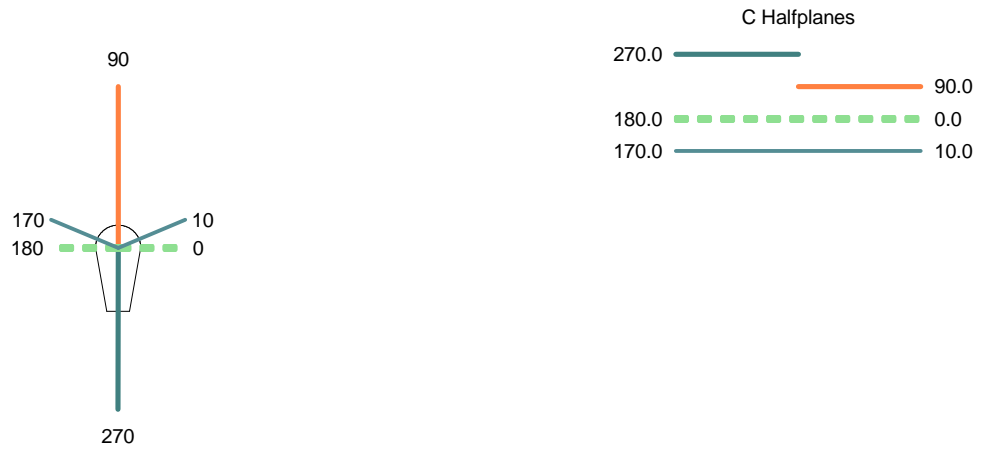
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm
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Luminous Intensity Table cd/klm Table 3/3

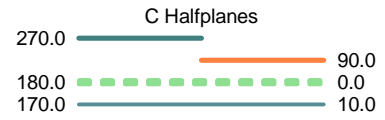
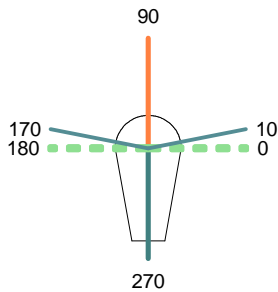
C 90.00

G 0.0	289.83
G 10.0	488.19
G 20.0	511.34
G 30.0	265.59
G 35.0	178.64
G 40.0	116.15
G 45.0	84.08
G 47.5	76.26
G 50.0	70.09
G 52.5	63.81
G 55.0	57.64
G 57.5	51.35
G 60.0	45.51
G 62.5	39.89
G 65.0	34.49
G 67.5	24.13
G 70.0	9.90
G 72.5	5.86
G 75.0	4.98
G 77.5	4.83
G 80.0	3.72
G 82.5	2.94
G 85.0	2.76
G 87.5	2.87
G 90.0	2.19
G 92.5	0.00
G 95.0	0.00
G 97.5	0.00
G100.0	0.00
G102.5	0.00
G105.0	0.00
G107.5	0.00
G110.0	0.00
G112.5	0.00
G115.0	0.00
G117.5	0.00
G120.0	0.00
G122.5	0.00
G125.0	0.00
G127.5	0.00
G130.0	0.00
G132.5	0.00
G135.0	0.00
G137.5	0.00
G140.0	0.00
G142.5	0.00
G145.0	0.00
G147.5	0.00
G150.0	0.00
G152.5	0.00
G155.0	0.00
G157.5	0.00
G160.0	0.00
G162.5	0.00
G165.0	0.00
G167.5	0.00
G170.0	0.00
G172.5	0.00
G175.0	0.00
G177.5	0.00
G180.0	0.00

Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm



Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm



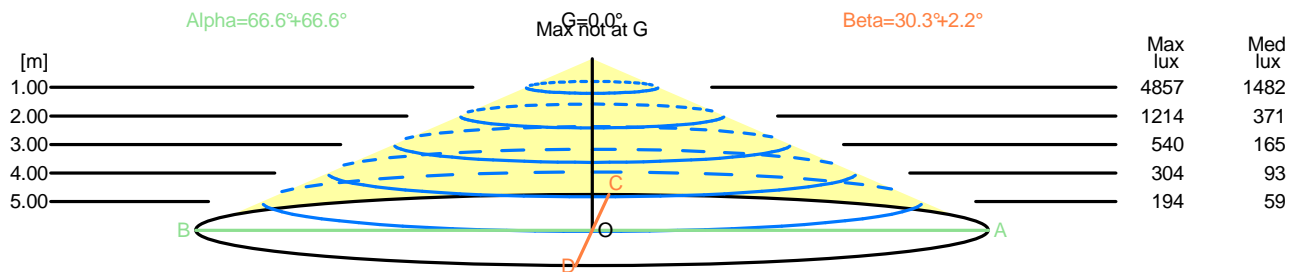
Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm

Width at 50.00 % of MaxLux

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.31	4.62	6.94	9.25	11.56	OC	0.58	1.17	1.75	2.34	2.92
OB	2.31	4.62	6.94	9.25	11.56	OD	0.04	0.08	0.12	0.16	0.19

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	2898.31	2913.52	3033.83	3320.19	3383.00	3701.22	5111.21	3084.35	379.42	148.88
OB	2898.31	2913.52	3033.83	3320.19	3383.00	3701.22	5111.21	3084.35	379.42	148.88
OC	2898.31	3986.35	5366.07	3980.18	1786.37	840.84	576.36	344.93	49.81	27.55
OD	2898.31	2234.89	1396.42	1066.40	912.47	649.09	301.95	242.44	64.36	9.61



H[m]	D[m]	Max lux	Med lux	Alpha=66.6°+66.6°	G=0.0 Max not at G
1.00	4.62	4857	1482		
2.00	9.25	1214	371		
3.00	13.87	540	165		
4.00	18.50	304	93		
5.00	23.12	194	59		

H[m]	D[m]	Max lux	Med lux	Beta=2.2°+30.3°	G=0.0 Max not at G
1.00	0.62	4857	1482		
2.00	1.25	1214	371		
3.00	1.87	540	165		
4.00	2.49	304	93		
5.00	3.11	194	59		

Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm

Total Flux=10000.00 Luminaire Flux=8230.93

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.30	0.40	0.48	0.56	0.62	0.71	0.77	0.81	0.85	0.88	0.93	0.96
RC	5	5	5	4	4	4	4	4	4	4	4	4

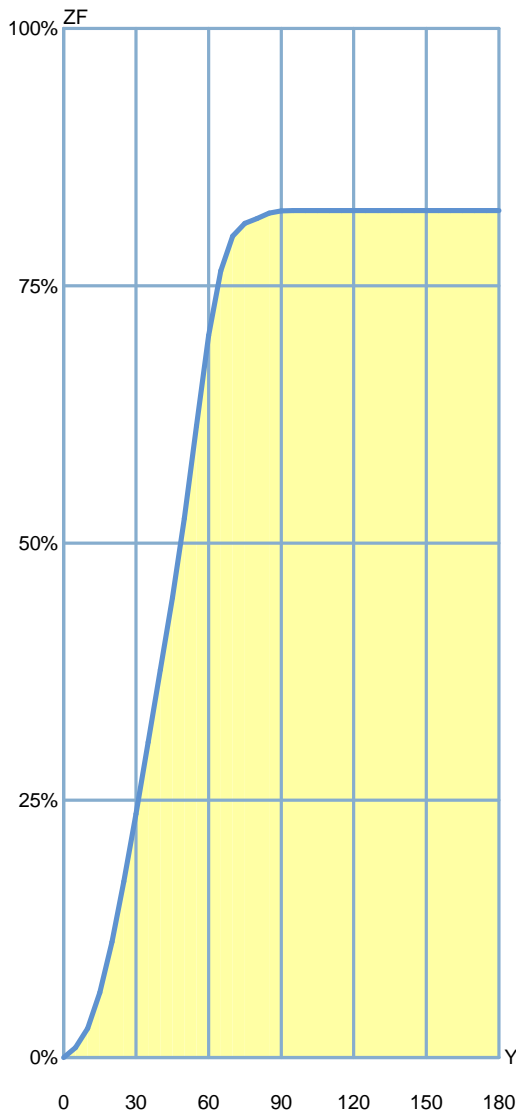
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	28	112	237	377	524	702	798	815	823	823	823	823	823	823	823	823	823	823

CIE Flux Codes

48 85 98 100 82

C.I.E.	5/5/5/4/4/4/4/4/4/4/4	LOR	82.30933 %
D DIN 5040	A30	ULOR	0.04157 %
F UTE	0.82 D	DLOR	82.26776 %
B NBN	BZ 4	UFF	0.05051 %
RN	0.05051 %	DFF	99.94949 %
BLF	1.0	FFR	0.05054 %

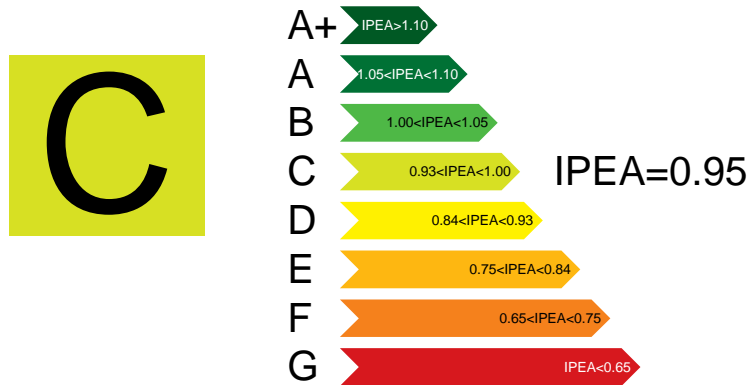


Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.54	9.54	1.16 %	1.16 %
10°	18.78	28.31	2.28 %	3.44 %
15°	34.97	63.29	4.25 %	7.69 %
20°	48.95	112.24	5.95 %	13.64 %
25°	58.76	171.00	7.14 %	20.78 %
30°	65.70	236.70	7.98 %	28.76 %
35°	69.76	306.45	8.47 %	37.23 %
40°	70.23	376.68	8.53 %	45.76 %
45°	70.42	447.11	8.56 %	54.32 %
50°	76.54	523.65	9.30 %	63.62 %
55°	89.94	613.59	10.93 %	74.55 %
60°	88.07	701.65	10.70 %	85.25 %
65°	62.82	764.47	7.63 %	92.88 %
70°	33.59	798.07	4.08 %	96.96 %
75°	12.38	810.44	1.50 %	98.46 %
80°	4.91	815.35	0.60 %	99.06 %
85°	5.23	820.58	0.63 %	99.69 %
90°	2.10	822.68	0.26 %	99.95 %
95°	0.42	823.09	0.05 %	100.00 %
100°	0.00	823.09	0.00 %	100.00 %
105°	0.00	823.09	0.00 %	100.00 %
110°	0.00	823.09	0.00 %	100.00 %
115°	0.00	823.09	0.00 %	100.00 %
120°	0.00	823.09	0.00 %	100.00 %
125°	0.00	823.09	0.00 %	100.00 %
130°	0.00	823.09	0.00 %	100.00 %
135°	0.00	823.09	0.00 %	100.00 %
140°	0.00	823.09	0.00 %	100.00 %
145°	0.00	823.09	0.00 %	100.00 %
150°	0.00	823.09	0.00 %	100.00 %
155°	0.00	823.09	0.00 %	100.00 %
160°	0.00	823.09	0.00 %	100.00 %
165°	0.00	823.09	0.00 %	100.00 %
170°	0.00	823.09	0.00 %	100.00 %
175°	0.00	823.09	0.00 %	100.00 %
180°	0.00	823.09	0.00 %	100.00 %

IPEA Document Luminaire

Luminaire Data	Operator
Manufacturer: GEWISS	Name: OxyTech
Name: AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Company: OxyTech
Light Source: CPX-20-13	Date: 23 / 05 / 2006
Application: Road (ME)	File : GW87073.xml

Energy Classification	IPEA
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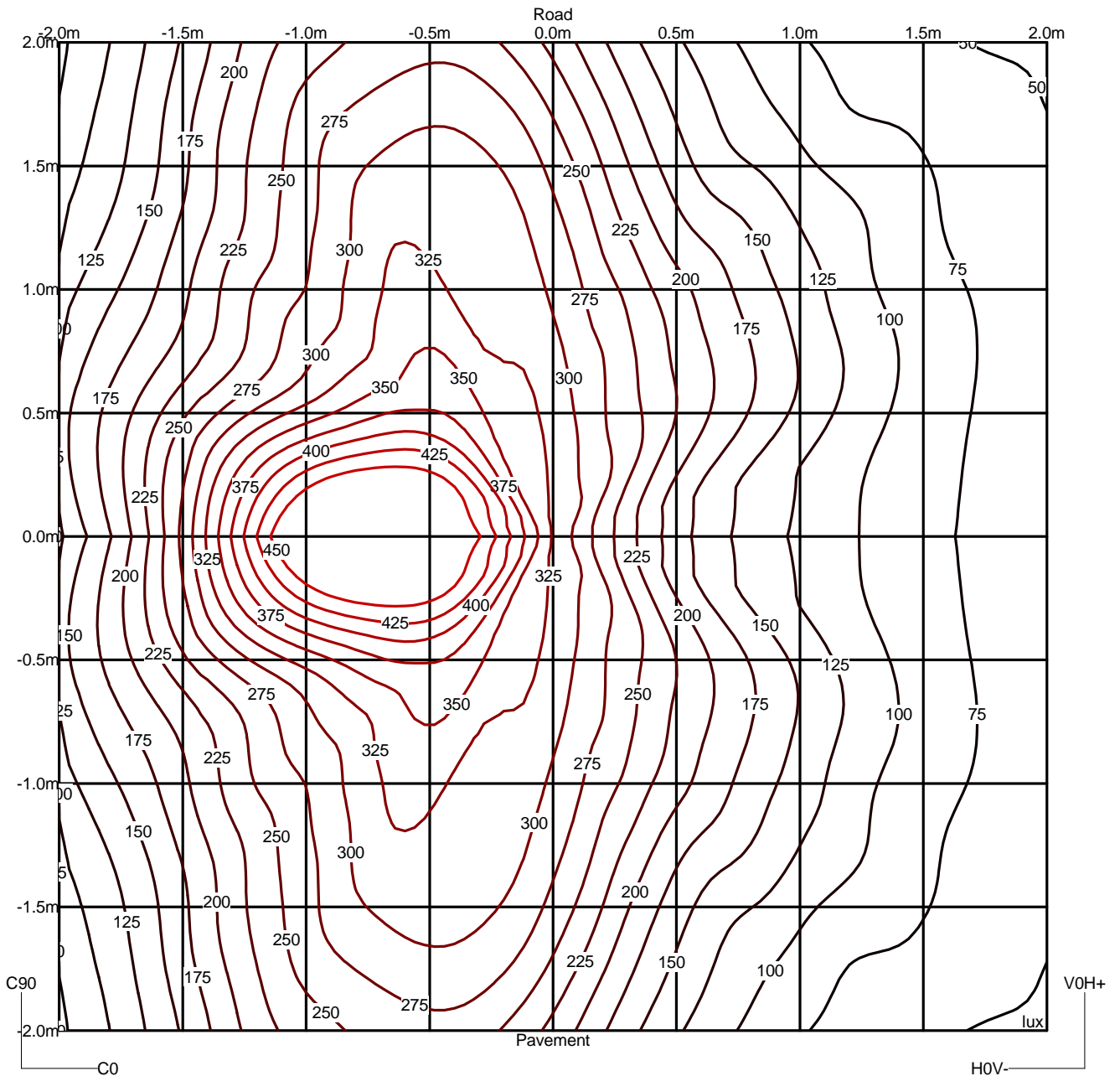
Other Data

Source and code	CPX-20-13	Source features	
Color temperature and CRI	Tc:2700 Ra:0	Optics	Symmetric
Attachments		Attachments classification	A1
PSU		Reliability	
Source flux	10000.0 lm	Real Power	115W
Total Flux	8230.9 lm	Source life time	
LLMF		LSF	
Light Pollution	0.2%	Certification	
Price		Warranty	

Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m

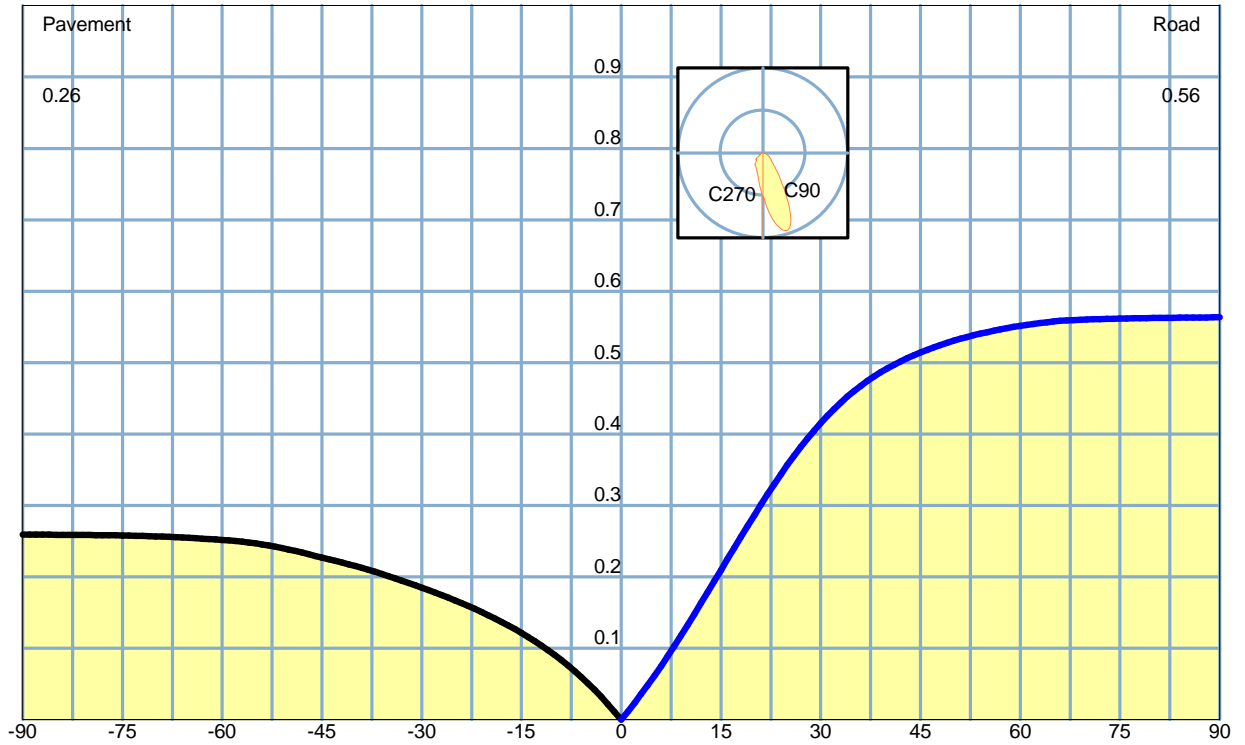


Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm

Roads Graphics

Tilting Angle = 0.0

ETA = 82.27%

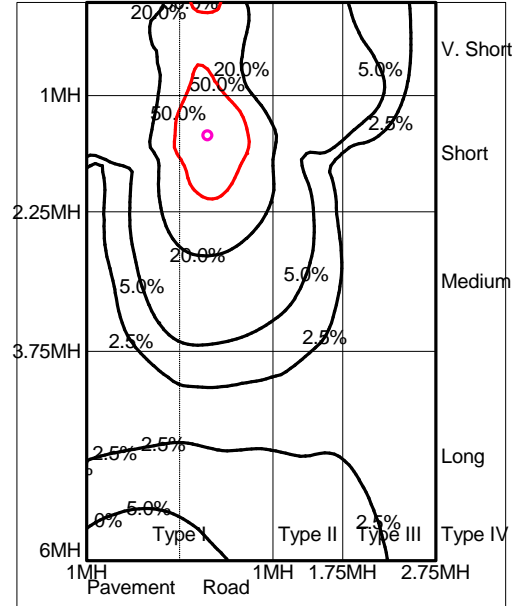
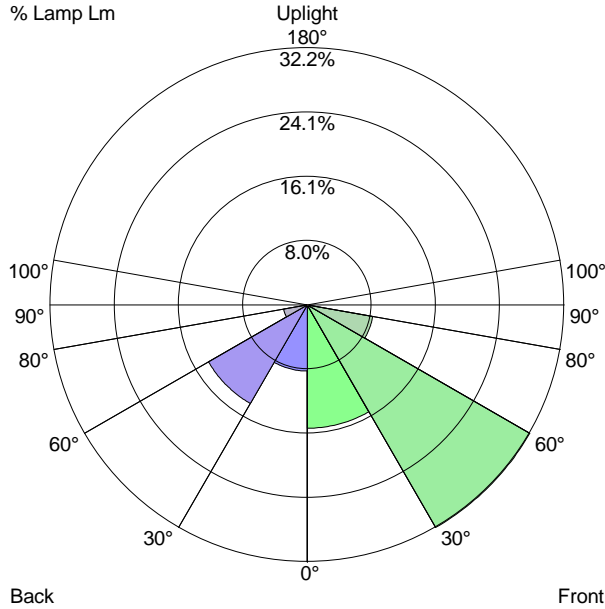


Spread: 24.8° Narrow
 Throw: 54.9° Short
 SLI (glare) 3.7 Moderate
 CIE Classification: Semi-Cutoff - Max: C=10.0° Ga mma=55.0°
 IES Classification: Cutoff
 KB2

DLOR 82.26776 %
 ULOR 0.04157 %
 Efficiency 82.30933 %
 RN 0.05051 %
 Glare Index D3
 Luminous Intensity Class G3

Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm

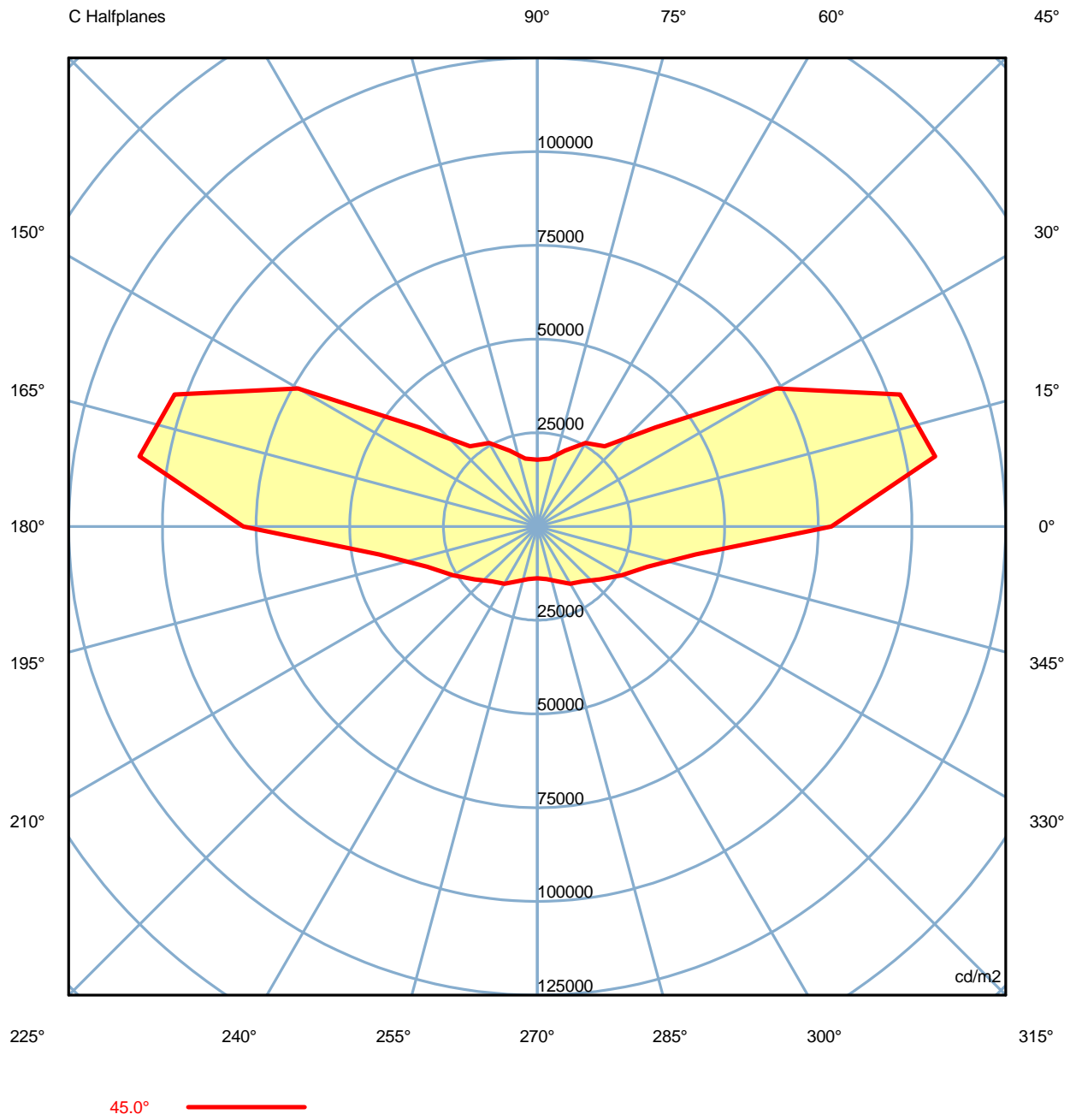
US ROAD STANDARDS



Luminaire Classification System (LCS)			
LCS Zone		Lumens	%Lamp
FL	0°-- 30°	1544.8 lm	15.4 %
FM	30°-- 60°	3218.7 lm	32.2 %
FH	60°-- 80°	834.2 lm	8.3 %
FVH	80°-- 90°	36.9 lm	0.4 %
BL	0°-- 30°	828.7 lm	8.3 %
BM	30°-- 60°	1425.7 lm	14.3 %
BH	60°-- 80°	298.8 lm	3.0 %
BVH	80°-- 90°	39.1 lm	0.4 %
UL	90°-- 100°	4.1 lm	0.0 %
UH	100°-- 180°	0.0 lm	0.0 %
TOTALS		8230.9 lm	82.3 %
BUG : B2 U1 G1 Type I Short Assymetrical			

Luminaire		Measur.		Lamp	
Code	OX87055	Code	87055.V55	Code	10322-6-7
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2
Line	AVENUE	Date	23-05-2006	Position	
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm

Luminance



Luminaire		Measur.		Lamp									
Code	OX87055	Code	87055.V55	Code	10322-6-7								
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2								
Line	AVENUE	Date	23-05-2006	Position									
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm								
Luminance cd/m2 Table 1/3													
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95
G 5.0	43847.83	45098.52	45878.48	46647.54	49384.23	52933.53	56176.29	57584.40	58561.75	59993.71	58561.75	57584.40	56176.29
G 10.0	44943.15	47135.12	48148.05	50222.24	53971.55	58597.60	63795.59	67507.62	70764.59	74321.74	70764.59	67507.62	63795.59
G 15.0	47089.23	49840.81	50314.59	54241.02	56054.71	57829.84	62598.95	69688.07	76932.19	83288.84	76932.19	69688.07	62598.95
G 20.0	50459.67	54369.47	54755.77	58788.47	56887.83	55131.16	57009.14	65546.51	74890.65	81582.27	74890.65	65546.51	57009.14
G 25.0	54923.97	61590.25	63299.03	63884.42	58079.74	55069.32	52349.01	57794.36	63961.61	65841.78	63961.61	57794.36	52349.01
G 30.0	59074.47	69697.22	71957.28	69183.49	59875.10	53537.86	48001.50	49419.75	50217.46	45977.99	50217.46	49419.75	48001.50
G 35.0	61917.18	76763.19	77956.51	73775.95	60224.76	45936.01	41268.84	40842.20	38450.29	32695.06	38450.29	40842.20	41268.84
G 40.0	66592.99	85956.89	88056.05	75309.07	52337.44	36655.39	30993.32	26826.89	23956.56	22732.66	23956.56	26826.89	30993.32
G 45.0	78475.57	107802.74	102973.23	73721.13	41223.44	27973.02	25756.50	21568.26	18422.62	17828.02	18422.62	21568.26	25756.50
G 50.0	106653.98	160119.29	144451.04	83174.36	34762.73	26444.19	23733.49	19576.71	16916.13	16347.57	16916.13	19576.71	23733.49
G 55.0	133600.12	219646.23	184787.91	103553.05	37852.33	26308.17	21947.92	18105.19	15831.79	15065.17	15831.79	18105.19	21947.92
G 60.0	117146.83	196353.96	162214.59	93134.66	39512.41	27374.60	22526.52	17805.01	14876.75	13647.20	14876.75	17805.01	22526.52
G 65.0	109418.28	152122.17	108549.90	48338.71	12323.76	27291.32	22865.04	17392.53	13809.77	12236.57	13809.77	17392.53	22865.04
G 70.0	63373.75	73020.05	52128.29	23003.05	7964.50	4951.96	5712.57	5411.11	4630.78	4337.99	4630.78	5411.11	5712.57
G 75.0	21978.75	22633.54	18093.48	9497.49	4844.89	2395.46	5494.28	4760.57	3366.37	2885.40	3366.37	4760.57	5494.28
G 80.0	39733.36	30446.75	20881.15	4184.83	2801.41	1564.52	3417.93	2938.93	2593.13	3215.96	2593.13	2938.93	3417.93
G 85.0	25610.50	27923.14	15782.34	4703.20	1851.44	1500.10	1552.40	2715.10	3968.35	4739.23	3968.35	2715.10	1552.40
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measur.		Lamp									
Code	OX87055	Code	87055.V55	Code	10322-6-7								
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ	Name	AVENUE 100W ST	Number	2								
Line	AVENUE	Date	23-05-2006	Position									
Efficiency	82.31%	Coordinate system	CG Roads	Total Flux	10000.00 lm								
Luminance cd/m2 Table 2/3													
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95
G 5.0	52933.53	49384.23	46647.54	45878.48	45098.52	43847.83	42801.28	41485.36	40476.64	39617.84	37842.54	35948.45	34466.47
G 10.0	58597.60	53971.55	50222.24	48148.05	47135.12	44943.15	42767.96	40396.66	38250.22	36523.85	33695.57	30472.15	27586.17
G 15.0	57829.84	56054.71	54241.02	50314.59	49840.81	47089.23	43494.93	40312.18	36936.41	34361.43	31620.90	28065.71	24032.88
G 20.0	55131.16	56887.83	58788.47	54755.77	54369.47	50459.67	44426.73	39446.02	35509.81	32287.90	29792.03	26684.95	22355.42
G 25.0	55069.32	58079.74	63884.42	63299.03	61590.25	54923.97	44859.91	36284.45	32839.01	29442.89	26411.31	24125.58	20771.84
G 30.0	53537.86	59875.10	69183.49	71957.28	69697.22	59074.47	44352.78	33173.23	28932.05	26251.57	22981.46	21374.25	19252.82
G 35.0	45936.01	60224.76	73775.95	77956.51	76763.19	61917.18	42636.16	31352.85	24730.78	23707.67	21686.29	20347.17	18128.22
G 40.0	36655.39	52337.44	75309.07	88056.05	85956.89	66592.99	41071.52	27624.11	23638.15	21722.53	21629.08	20406.24	16896.22
G 45.0	27973.02	41223.44	73721.13	102973.23	107802.74	78475.57	42911.36	31224.14	25975.43	21848.32	19009.95	17559.23	15526.79
G 50.0	26444.19	34762.73	83174.36	144451.04	160119.29	106653.98	47632.03	30740.09	26890.35	22775.17	14974.71	18876.98	18235.96
G 55.0	26308.17	37852.33	103553.05	184787.91	219646.23	133600.12	53366.67	32721.79	28894.02	25616.56	19012.97	21209.48	15346.01
G 60.0	27374.60	39512.41	93134.66	162214.59	196353.96	117146.83	34317.45	27128.74	31484.85	29218.11	20002.15	12220.16	7860.56
G 65.0	27291.32	12323.76	48338.71	108549.90	152122.17	109418.28	30143.71	8649.26	5663.79	11535.91	17662.29	5655.02	6263.31
G 70.0	4951.96	7964.50	23003.05	52128.29	73020.05	63373.75	19642.56	7689.41	5021.21	3981.13	3663.55	3889.41	5788.43
G 75.0	2395.46	4844.89	9497.49	18093.48	22633.54	21978.75	9938.70	5019.66	3400.76	2897.49	2365.85	1936.49	3226.41
G 80.0	1564.52	2801.41	4184.83	20881.15	30446.75	39733.36	36083.46	11518.45	2369.98	1939.00	1450.66	1411.08	2058.20
G 85.0	1500.10	1851.44	4703.20	15782.34	27923.14	25610.50	20444.64	35649.21	3381.92	2015.30	1518.56	1951.07	3446.20
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire				Measur.				Lamp					
Code	OX87055			Code	87055.V55			Code	10322-6-7				
Name	AVENUE 100W SE-ST E40 BOWL 230V-50HZ			Name	AVENUE 100W ST			Number	2				
Line	AVENUE			Date	23-05-2006			Position					
Efficiency	82.31%			Coordinate system	CG Roads			Total Flux	10000.00 lm				
Luminance cd/m2 Table 3/3													
	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00
G 0.0	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95	43452.95
G 5.0	43847.83	42801.28	41485.36	40476.64	39617.84	37842.54	35948.45	34466.47	33861.10	33634.57	33861.10	34466.47	35948.45
G 10.0	44943.15	42767.96	40396.66	38250.22	36523.85	33695.57	30472.15	27586.17	26376.04	25953.89	26376.04	27586.17	30472.15
G 15.0	47089.23	43494.93	40312.18	36936.41	34361.43	31620.90	28065.71	24032.88	22253.85	21674.36	22253.85	24032.88	28065.71
G 20.0	50459.67	44426.73	39446.02	35509.81	32287.90	29792.03	26684.95	22355.42	20224.47	19428.54	20224.47	22355.42	26684.95
G 25.0	54923.97	44859.91	36284.45	32839.01	29442.89	26411.31	24125.58	20771.84	18310.62	17640.80	18310.62	20771.84	24125.58
G 30.0	59074.47	44352.78	33173.23	28932.05	26251.57	22981.46	21374.25	19252.82	17450.80	16941.27	17450.80	19252.82	21374.25
G 35.0	61917.18	42636.16	31352.85	24730.78	23707.67	21686.29	20347.17	18128.22	16946.84	16700.50	16946.84	18128.22	20347.17
G 40.0	66592.99	41071.52	27624.11	23638.15	21722.53	21629.08	20406.24	16896.22	13912.25	12811.39	13912.25	16896.22	20406.24
G 45.0	78475.57	42911.36	31224.14	25975.43	21848.32	19009.95	17559.23	15526.79	14191.65	13762.39	14191.65	15526.79	17559.23
G 50.0	106653.98	47632.03	30740.09	26890.35	22775.17	14974.71	18876.98	18235.96	15604.38	13571.57	15604.38	18235.96	18876.98
G 55.0	133600.12	53366.67	32721.79	28894.02	25616.56	19012.97	21209.48	15346.01	9790.42	7892.65	9790.42	15346.01	21209.48
G 60.0	117146.83	34317.45	27128.74	31484.85	29218.11	20002.15	12220.16	7860.56	6195.09	7203.61	6195.09	7860.56	12220.16
G 65.0	109418.28	30143.71	8649.26	5663.79	11535.91	17662.29	5655.02	6263.31	8276.00	8600.78	8276.00	6263.31	5655.02
G 70.0	63373.75	19642.56	7689.41	5021.21	3981.13	3663.55	3889.41	5788.43	6682.94	6743.69	6682.94	5788.43	3889.41
G 75.0	21978.75	9938.70	5019.66	3400.76	2897.49	2365.85	1936.49	3226.41	4145.30	3728.04	4145.30	3226.41	1936.49
G 80.0	39733.36	36083.46	11518.45	2369.98	1939.00	1450.66	1411.08	2058.20	2401.30	2483.33	2401.30	2058.20	1411.08
G 85.0	25610.50	20444.64	35649.21	3381.92	2015.30	1518.56	1951.07	3446.20	3495.80	1653.04	3495.80	3446.20	1951.07
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00