



IES ROAD REPORT

PHOTOMETRIC FILENAME : RS-BC-26 V 42CFL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] Photopia 3 0 0 517 PHOTOMETRIC REPORT

[DATE] Wed Mar 19 14:47:43 2008

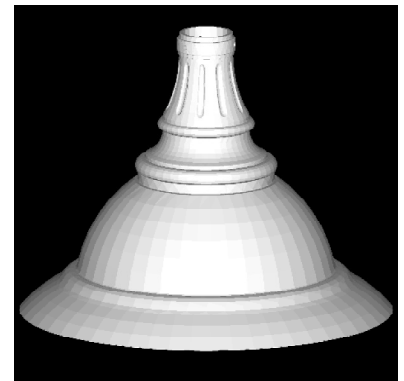
[LUMINAIRE] PROJECT: RS-BC-26 V C2

[LAMP] Fluor. 42W DULUX triple tube

[LAMPCAT] CF42DT/E/IN/830

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Very Short
Cutoff Classification	Full Cutoff
Total Rated Lamp Lumens	3200
Maximum Candela	777.2
Maximum Candela Angle	40H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.00% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	70.17 (2.19% Lamp Lms)
Downward Total Efficiency	76.3%



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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	360.76	360.76	360.76	360.76	360.76	360.76	360.76	360.76	360.76	360.76
2.5	352.46	357.76	348.8	351.56	355.33	344.94	362.44	340.46	358.1	347.39
5	337.63	324.09	343.75	333.2	338.83	314.96	335.6	327.54	331.73	326.37
7.5	310.06	318.07	320.06	317.78	312.58	322.67	309.82	306.48	326.88	324.39
10	286.92	291.56	285.71	296.56	305.28	302.2	295.81	297.11	296.82	285.69
12.5	289.68	271.04	290.01	275.14	291.33	277.72	282.25	279.81	282.06	290.47
15	279.41	283.35	283.66	286.45	283.55	287.96	281.52	280.57	289.19	288.53
17.5	290.52	294.82	290.6	286.64	301.54	291.35	288.64	292.04	291	299.21
20	306.73	311.11	309.84	313.18	309.59	316.24	312.47	302.41	312.78	312.01
22.5	336.41	336.53	334.44	334.54	337.51	337.14	332.26	337.94	336.92	342.89
25	362.02	368.69	370.62	371.37	368.94	369.36	360.46	370.1	374.03	366.03
27.5	399.16	407.78	408.95	418.07	407.49	399.41	400.12	401.47	409.6	412.03
30	440	458.15	457.96	456.29	461.16	447.6	449.19	451.9	453.1	462.22
32.5	534.42	525.32	526.58	528.64	520.82	522.05	524.94	521.1	520.29	526.21
35	600.21	590.5	598.9	592.13	599.49	591.84	593.82	588.18	594.69	592.73
37.5	652.15	664.31	660.43	658.71	658.78	654.39	654.02	654.91	657.79	662.64
40	691.38	713.66	710.23	715.65	715.06	705.83	710.78	713.77	706.52	707.69
42.5	738.65	745.73	749.08	742.47	748.81	741.73	738.11	742.81	753.52	742.38
45	765.2	758.5	775.72	768.57	768.8	767.37	759.38	767.01	777.2	771.15
47.5	763.55	766.55	767.32	772.45	774.86	773.36	764.53	767.41	776.71	768.29
50	758.5	753.67	754.46	757.92	763.81	746.73	742.02	749.7	759.31	754.36
52.5	710.49	717.65	725.12	717.78	732.91	722.43	710.27	717.23	717.94	724.86
55	658.34	664.06	673.07	675.55	676.97	670.42	646.78	676.68	671.6	673.35
57.5	597.32	600.51	619.06	612.12	616.6	600.51	591.56	608.17	610.62	607.91
60	531.95	544.41	547.6	542.11	558.18	545.25	525.07	544.61	542.8	543.2
62.5	468.05	475.93	486.5	472.38	484.52	476.05	462.52	478.72	481.14	477.48
65	402.27	406.54	409.8	405.11	417.48	413.31	403.14	411.77	418.11	408.77
67.5	340.24	342.32	350.73	340	347.85	346.78	330.53	345.49	350.78	344.74
70	268.06	283.91	287.48	274.92	284.2	278.25	270.07	283.43	284.81	280.06
72.5	207	218.31	218.83	212.77	222	217.09	209.37	217.72	222.78	215.77
75	157	161.97	164.22	158.62	162.69	160.84	153.76	159.33	163.43	157.74
77.5	103.68	109.95	111.35	105.11	108.95	107.81	104.15	110.93	110.26	105.49
80	64.03	69.73	69.73	64.32	67.97	67.14	64.05	67.09	67.63	65.99
82.5	33	34.76	33.84	33.04	34.97	33.99	34.12	32.76	33.57	32.62
85	12.58	13.12	12.3	12.24	12.39	13	12.76	12.93	12.61	12.7
87.5	2.03	1.9	2.01	2.01	2.39	1.98	2.04	1.98	2.29	2.12
90	0	0	0	0	0	0	0	0	0	0

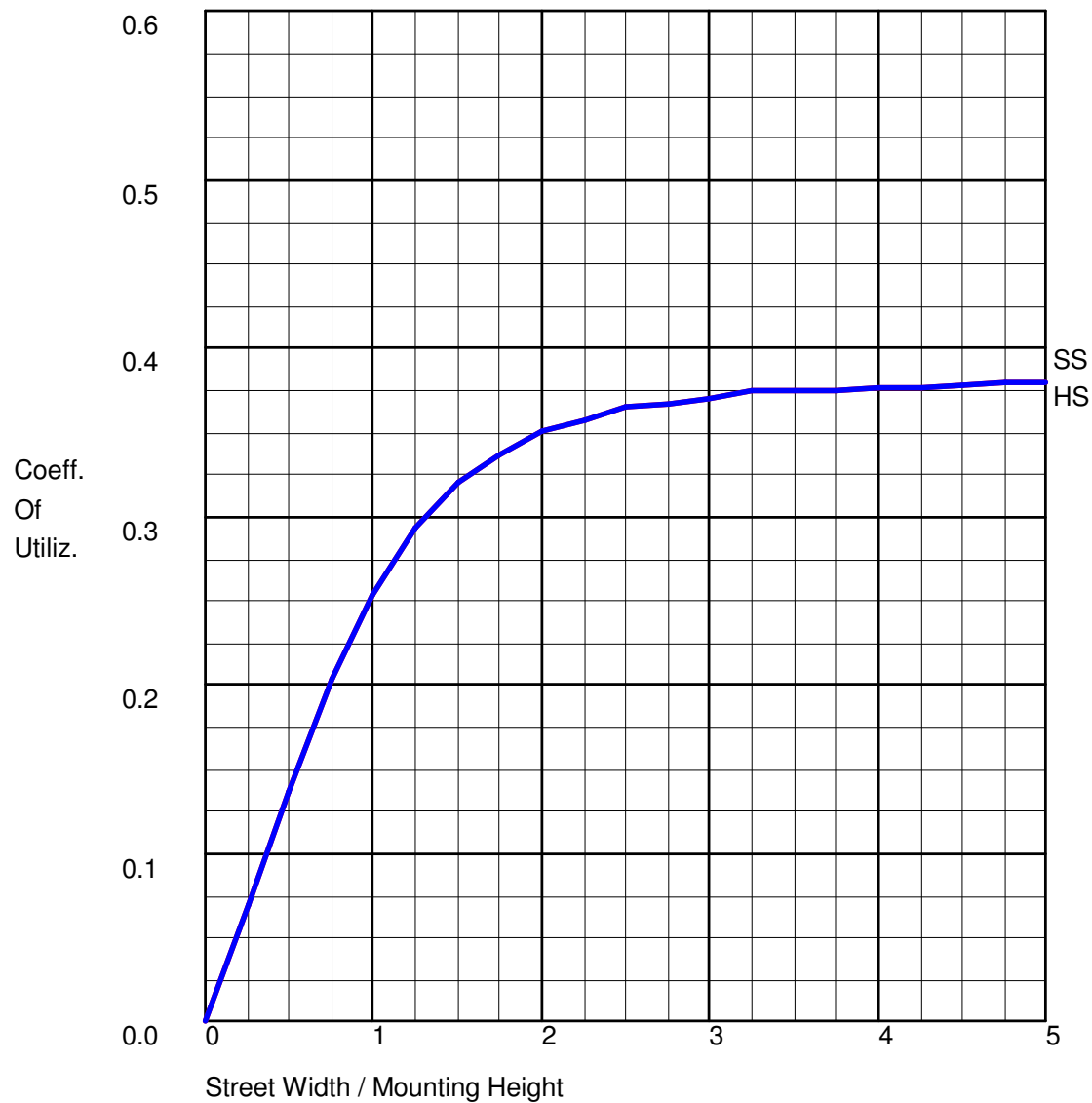
Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	
0	360.76	360.76	360.76	360.76	360.76	360.76	360.76	360.76	360.76	
2.5	330.85	361.4	331.34	341.62	362.84	350.07	352.95	372.26	369.32	
5	349.41	321.1	331.14	337.04	333.5	332.71	334.81	333.71	342.91	
7.5	328.61	313.52	313.18	307.73	302.51	327.27	307.48	313.22	325.06	
10	295.5	307.06	300.01	306.96	292.44	298.06	300.13	294.17	288.97	
12.5	287.58	290.47	281.18	281.79	282.02	280.87	289.12	280.51	293.12	
15	280.43	282.41	285.69	278.09	287.25	283.06	281.42	284.2	286.46	
17.5	301.83	289.95	290.59	294.34	294.19	299.56	292.26	289.2	286.5	
20	312.79	314.52	312.19	314.05	311.46	313.96	321.31	316.64	297.66	
22.5	335.52	339.87	335.82	340.09	347.13	341.44	337.08	338.01	339.59	
25	363.48	370.15	369.49	370.36	376.78	370.31	369.05	373.07	368.44	
27.5	411.81	404.42	405.79	402.84	405.4	403.1	407.5	406.12	406.41	

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CANDELA TABULATION - (Cont.)

30	462.21	456.07	460.01	464.75	462.19	455.34	459.32	459.45	452.99
32.5	529.47	523.92	523.95	534.05	528.58	527	529.84	515.22	522.19
35	597.79	601	599.8	594.16	596.9	601.76	592.83	593.31	601.1
37.5	666.76	658.51	660.97	658.23	664.49	667.65	665.81	656.76	655.94
40	711.04	719.64	712.68	719.08	716.5	706.82	715.98	712.24	700.22
42.5	744.55	740.6	740.58	743.01	753.94	748.35	743.12	736.88	748.91
45	765.05	770.12	756.53	769.77	770.72	764.53	775.42	760.33	765.78
47.5	772.63	764.13	765.85	772.92	775.6	769.46	776.62	771.17	764.23
50	760.72	750.06	750.34	749.61	762.69	766.57	751.6	762.47	740.28
52.5	722.64	725.79	709.04	723.06	734.66	727.37	731.41	715.27	700.65
55	678.29	669.99	660.4	671.16	677.9	680.02	682.25	669.05	660.59
57.5	612.16	610.34	596.51	612.15	615.51	610.27	623.4	603.54	590.22
60	554.93	540.39	532.62	547.31	556.01	542.94	554.83	546.13	529.22
62.5	480.18	481.7	468.41	473.01	485.91	477.34	483.53	478.82	466.52
65	416.53	411.51	399.05	413.61	418.09	414.43	424.94	418.82	397.52
67.5	357.61	350.19	328.8	347.26	351.23	348.73	352	346.74	328.87
70	285.15	282.21	271.43	279.98	287.47	279.41	286.04	285.78	275.08
72.5	218.05	223.52	204.6	215.49	223.49	213.81	221.3	221.83	209.11
75	161.25	160.39	153.87	163.04	163.17	161.6	163.26	158.5	152.71
77.5	110.11	110.53	105.33	110.35	113.06	105.9	109.16	109.4	105.78
80	67.88	68.26	65.1	65.75	70.17	67.51	66.93	67.67	65.22
82.5	34.99	33.71	33.63	34.38	33.75	32.72	34.22	33.58	32.12
85	12.66	12.03	13.31	12.26	12.47	12.56	12.54	13.66	11.43
87.5	1.97	2.1	2.39	2.27	2.05	2.26	2.29	2.1	2.32
90	0	0	0	0	0	0	0	0	0

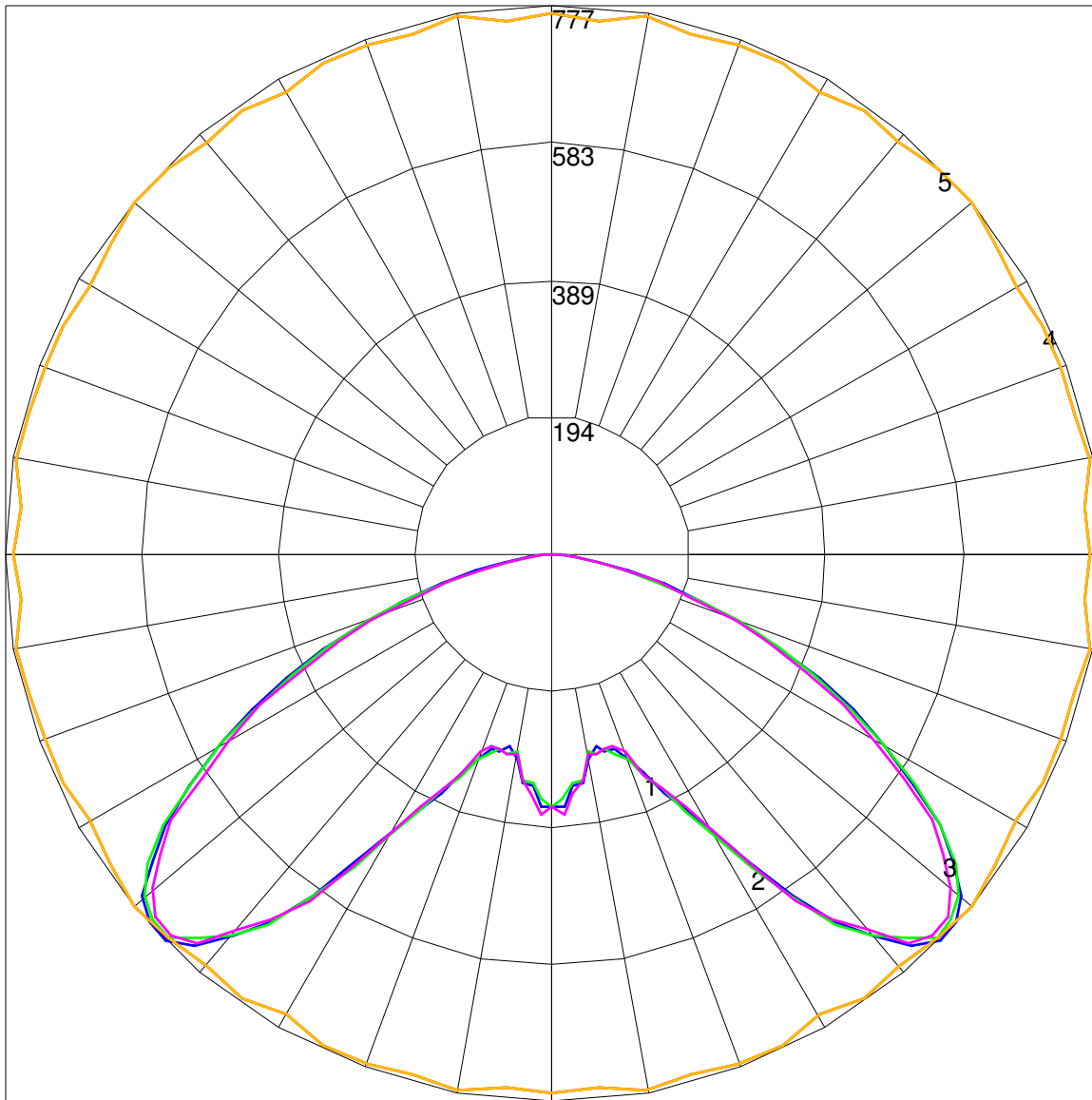
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	1221.5	38.2
Downward House Side	1221.5	38.2
Downward Total	2443.0	76.3
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2443.0	76.3

POLAR GRAPH



Maximum Candela = 777.2 Located At Horizontal Angle = 40, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (40 - 220) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (45 - 225)
3 - Vertical Plane Through Horizontal Angles (90 - 270)
4 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)
5 - Horizontal Cone Through Vertical Angle (45)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

