



IES ROAD REPORT

PHOTOMETRIC FILENAME : SZ-20-H-FLAT V 42CFL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995

[TEST] Photopia 3 0 0 555 PHOTOMETRIC REPORT

[DATE] Mon Mar 24 11:08:18 2008

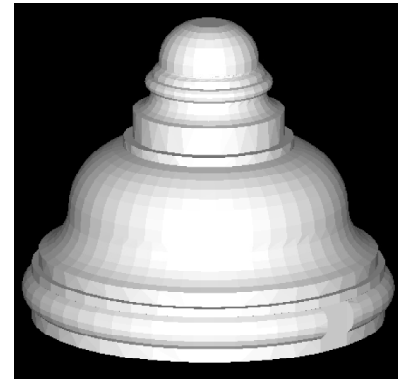
[LUMINAIRE] PROJECT: SZ-20-H-FLAT V C2

[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	782.81
Maximum Candela Angle	40H 47.5V
Maximum Candela At 90 Degrees Vertical	0 (0.00% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	61.01 (1.91% Lamp Lms)
Downward Total Efficiency	77.0%



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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	350.22	350.22	350.22	350.22	350.22	350.22	350.22	350.22	350.22	350.22
2.5	351.57	372.97	372.39	345.16	344.1	345.56	369.52	346.7	349.16	345.88
5	341.16	336.45	337.98	331.89	338.69	341.22	327.32	319.02	328.65	319.74
7.5	315.63	308.4	315.77	311.52	321.28	312.47	323.17	306.71	316.13	308.3
10	294.3	299.43	297.02	293.49	302.24	292.58	298.17	298.89	300.15	286.57
12.5	271.95	287.26	281.69	285.39	285.01	284.28	292.16	284.33	286.53	277.42
15	274.79	287.53	283.68	276.01	283.1	282.77	291.22	281.13	282.43	286.81
17.5	285.15	297.06	295.9	298.21	294.86	290.82	293.57	286.13	288.37	288.55
20	308.14	311.62	304.42	315.55	312.1	308.52	310.36	315.69	303.45	309.94
22.5	341.23	337.66	340.55	338.47	339.65	341.02	327.25	330.91	336.18	340.05
25	366.83	373.04	370.12	368.61	371.2	369.16	367.49	364.71	372.77	370.85
27.5	403.28	406.04	416.54	404.74	406.27	404.62	398.24	407.06	413.93	402.64
30	446.5	454.82	463.74	463.45	452.67	452.22	458.51	456.61	456.62	457.75
32.5	522.82	517.43	527.86	522.72	523	520.92	514.99	512.11	527.25	525.95
35	597.35	590.7	596.05	600.19	592.36	587.85	586.8	590.83	593.95	597.7
37.5	657.2	658.27	657.22	655.86	651.36	658.29	651.81	655.72	660.56	650.21
40	714.65	708.95	708.85	702.03	713.58	711.76	711.72	713.76	709.94	713.95
42.5	734.58	743.99	741.97	743.22	742.34	733.33	738.34	737.05	750.17	750.31
45	764.37	759.95	763.96	769.59	773.61	771.03	745.55	757.15	764.76	767.84
47.5	766.16	768.41	771.89	768.07	769.96	765.09	762.91	768.76	782.81	774.07
50	742.09	748.83	770.42	758.06	764.32	757.93	751.58	756.55	758.98	767.88
52.5	714.67	729.43	734.97	732.78	732.54	724.75	710.97	720.75	735.03	726.39
55	673.97	672.86	687.28	682.82	689.31	678.79	666.72	673.77	685.38	677.87
57.5	606.84	616.02	624.64	629.77	626.92	617.7	607.15	614.53	624.56	626.93
60	537.47	556.04	563.21	550.06	567.5	553.26	542.57	561.36	568.72	560
62.5	472.29	488.75	493.01	488.49	496.51	489.66	471.06	486.85	500.18	492.25
65	407.77	421.99	427.73	416.34	429.42	425.55	408.75	430.29	433.12	421.09
67.5	345.53	362.48	363.14	350.09	361.49	355.17	346.04	361.38	358.97	351.67
70	269.8	296.34	295.31	290.18	298.21	289.18	282.16	297.71	298.93	296.43
72.5	218.15	228.97	231.79	225.73	231.19	226.85	221.82	227.89	232.69	230.42
75	162.77	169.23	173.18	165.32	171.4	171.2	161.16	172.83	170.97	167.86
77.5	103.71	108.79	109.45	106.92	112.04	111.01	104.44	111.66	109.62	108.11
80	58.1	59.94	60.75	58.46	57.36	59.44	57.45	58.79	61.01	58.06
82.5	21.59	22.75	21.89	22.74	23.14	22.81	23.16	22.73	23.36	22.4
85	7.46	8.1	7.1	8.11	7.41	7.05	7.42	7.55	7.7	7.74
87.5	0.27	0.31	0.33	0.27	0.38	0.28	0.31	0.3	0.28	0.29
90	0	0	0	0	0	0	0	0	0	0

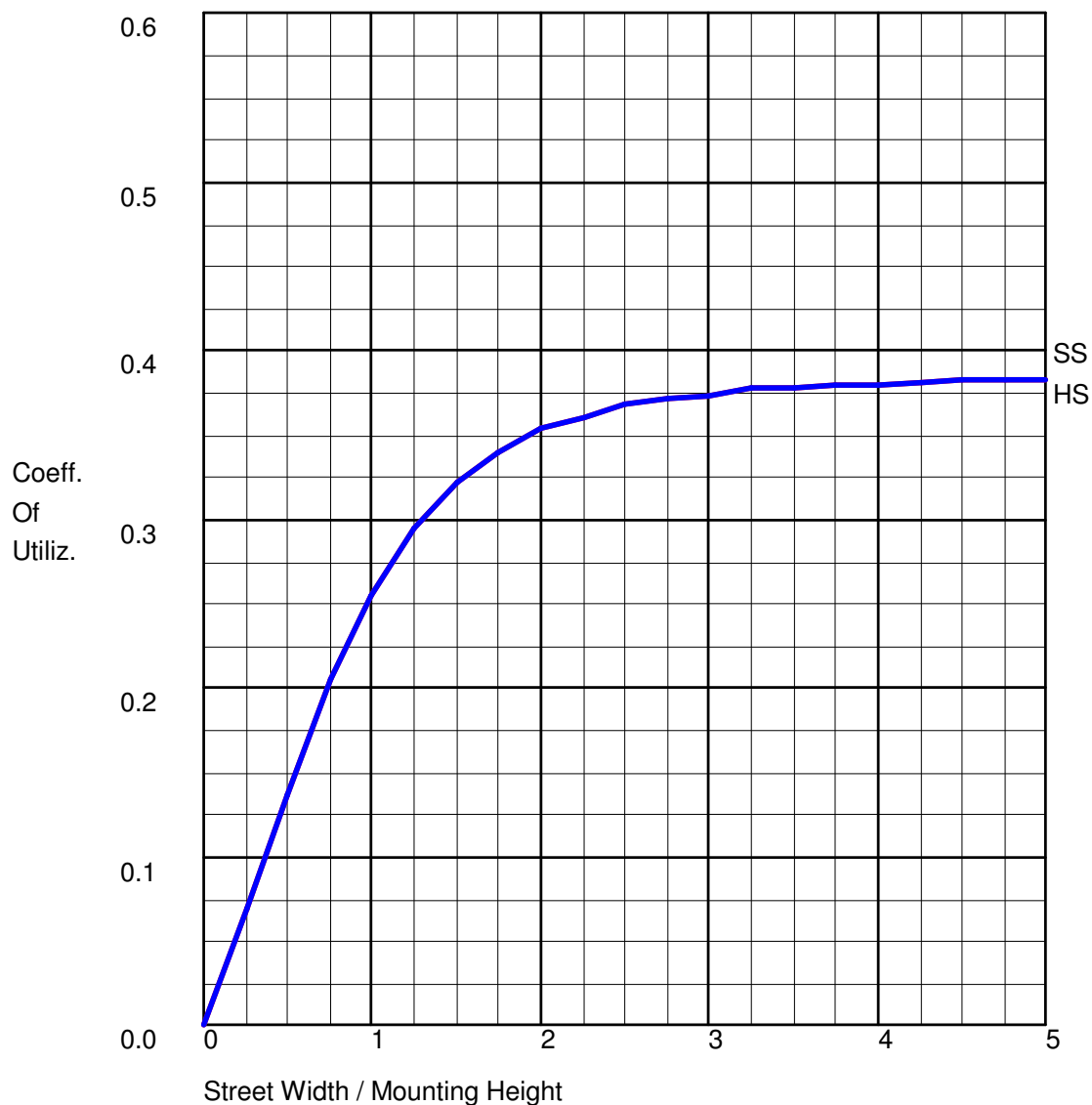
Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	
0	350.22	350.22	350.22	350.22	350.22	350.22	350.22	350.22	350.22	
2.5	351.99	358.67	363.02	344.62	342.5	354.11	349.07	367.42	347.15	
5	339.14	316.86	333.5	341.56	344.11	342.41	338.41	340.48	341.69	
7.5	316.7	315.38	311.62	312.36	325.61	317.98	316.04	318.33	327.16	
10	298.86	290.87	295.43	289.74	291.78	294.91	290.93	297.6	295.87	
12.5	276.67	287.28	284.61	292.71	292.99	285.59	285.19	276.81	286.88	
15	278.3	285.74	280.84	284.64	285.63	278.47	287.66	284.38	280.28	
17.5	287.79	300.34	299.02	290.35	292.05	294.08	289.9	293.03	302.79	
20	311.09	315.23	307.5	310.45	319.83	305.46	319.08	318.7	310.78	
22.5	332.87	341.79	335.51	338.42	337.06	340.13	337.95	343.03	331.77	
25	377.18	371.29	368.69	374.63	372.04	371.33	380.89	365.66	374.08	
27.5	415.93	404.98	396.8	408.24	412.81	409.32	409.9	412.83	416.22	

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CANDELA TABULATION - (Cont.)

30	463.95	452.43	450.25	451.46	458.58	460.72	459.04	450.96	455.59
32.5	528.29	533.69	518.12	523.1	524.9	528.87	524.37	526.08	528.75
35	599.8	601.11	594.15	606.21	602.46	596.17	596.54	591.33	590.78
37.5	661.67	656.53	667.98	664.17	659.06	667.64	662.58	660.16	652.85
40	712.36	713.95	709.92	710.35	705.16	713.94	718.33	706.67	700.83
42.5	747.07	747.01	742.94	742.15	755.15	747.48	742.75	744.24	743.74
45	764.88	768.46	757.64	764.38	763.26	773.72	761.41	763.92	763.67
47.5	768.52	764.98	763.16	769.88	777.24	781.05	777.53	772.11	751.68
50	755.38	748.02	756.42	758.01	758.72	758.24	767.67	751.34	755.04
52.5	737.95	721.45	715.33	724.38	730.52	731.02	739.26	728.24	714.22
55	688.64	674.03	677.04	686.57	690.66	688.25	694.69	680.64	666.42
57.5	621.21	623.05	605.13	623.27	621.84	625.83	625.99	624.31	595.12
60	559.5	545.55	545.39	565.38	565.45	564.03	561.46	557.73	548.27
62.5	492.09	494.26	481.38	485.74	497.21	494.07	502.05	487.26	471.63
65	428.16	425.23	407.82	427.25	429.86	427.92	435.43	427.87	412.15
67.5	364.53	358.45	342.57	355.39	364.24	356.3	365.58	359.92	347.53
70	296.95	291.13	278.1	296.71	300.34	290.59	301.81	296.74	283.8
72.5	235.9	232.01	220.74	228.97	236.05	227.01	232.59	228.6	221.17
75	175.36	170.39	162.01	171.15	171.55	168.1	174.02	171.33	160.93
77.5	112.75	108.7	105.02	108.93	111.14	104.74	112.09	108.56	103.03
80	59.68	58.32	56.66	59.2	60.59	57.38	59.88	57.91	55.02
82.5	22.73	21.59	23.39	22.93	22.79	22.53	22.55	23.03	23.07
85	7.73	6.89	7.57	7.09	7.24	7.84	7.44	7.35	6.5
87.5	0.3	0.27	0.31	0.35	0.27	0.29	0.31	0.29	0.28
90	0	0	0	0	0	0	0	0	0

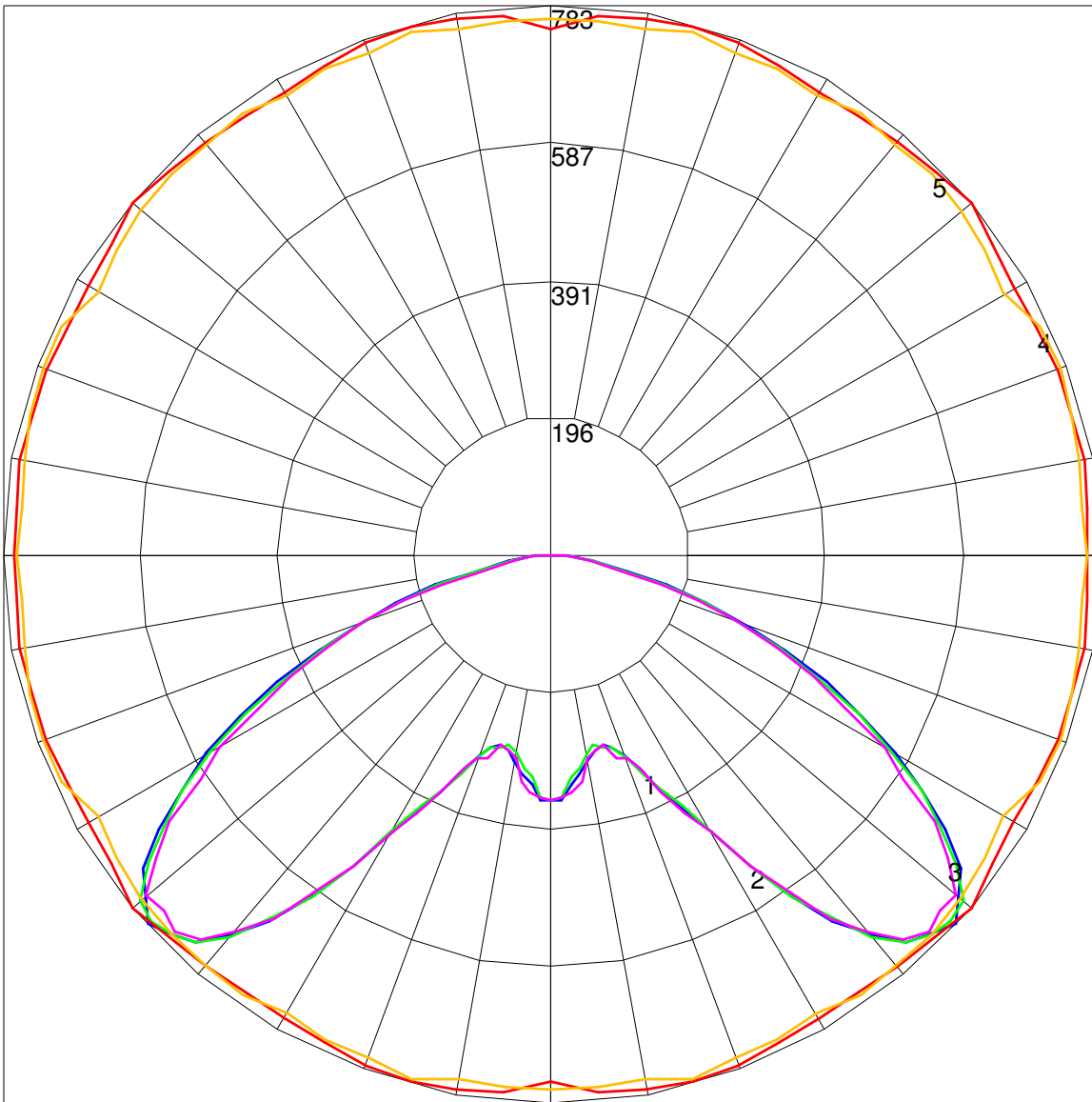
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	1231.3	38.5
Downward House Side	1231.3	38.5
Downward Total	2462.6	77.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2462.6	77.0

POLAR GRAPH



Maximum Candela = 782.81 Located At Horizontal Angle = 40, Vertical Angle = 47.5
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 (47.5) (Through Max. Cd.)
5 - Horizontal Cone Through Vertical Angle (45)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

