



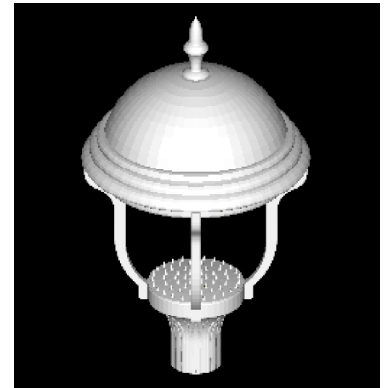
IES ROAD REPORT
PHOTOMETRIC FILENAME : BA V 42CFL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 3 0 0 517 PHOTOMETRIC REPORT
[DATE] Thu Mar 13 10:22:41 2008
[LUMINAIRE] PROJECT: Barcelona C2 Type V
[LAMP] Fluor. 42W DULUX triple tube
[LAMPCAT] CF42DT/E/IN/830

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Very Short
Cutoff Classification	Cutoff
Total Rated Lamp Lumens	3200
Maximum Candela	748.73
Maximum Candela Angle	45H 47.5V
Maximum Candela At 90 Degrees Vertical	1.45 (0.05% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	36.62 (1.14% Lamp Lms)
Downward Total Efficiency	62.0%



IES ROAD REPORT
PHOTOMETRIC FILENAME : BA V 42CFL.IES

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	108.67	108.67	108.67	108.67	108.67	108.67	108.67	108.67	108.67	108.67
2.5	123.68	115.98	115.14	109.11	115.44	107.03	112.41	116.12	108.23	105.43
5	126.46	121.39	126.34	126.98	129.58	125.52	121.13	126.93	129.75	131.03
7.5	117.37	127.65	123.29	120.47	119.34	122.06	120.8	117.48	120.87	122.97
10	109.94	115.84	116.53	113.94	116.25	110.6	117.23	116.89	115.64	110.11
12.5	102.2	98.14	97.59	103.63	107.52	104.32	103.56	101.62	106.2	107.97
15	91.28	98.85	107.17	116.51	121.66	118.48	111.54	115.07	120.54	116.51
17.5	105.5	115	136.42	153.98	155.8	146.88	156.51	151.65	155.47	153.71
20	135.94	139.77	181.25	204.49	203.63	200.8	201.84	203.44	208.1	203.04
22.5	144.28	166.37	218.07	232.49	238.31	228.73	230.53	235.24	231.19	236.1
25	158.35	185.06	242.9	258.31	261.6	254.06	251.74	249.41	253.23	259.74
27.5	197.01	219.64	279.93	296.13	294.79	289.67	292.22	285.55	297.9	298.99
30	246.37	280.72	339.64	352.01	360.86	352.89	349.42	357.85	370.86	365.86
32.5	320.79	350.65	406.9	420.2	424.27	437	433.97	449.29	446.85	451.5
35	377.8	425.01	489.92	494.31	502.23	511.43	524.91	526.64	537.26	535.96
37.5	444.25	487.42	547.48	561.82	570.13	585.92	595.84	608.71	619.93	622.3
40	499.24	546.27	600.28	618.12	637.75	648.5	667.18	680.11	683.69	684.92
42.5	517.13	560.11	627.34	639.85	673.86	692.75	691.77	712.94	727.86	717.71
45	541.52	582.15	636.43	654.14	689.49	695.15	708.27	731.3	746.85	742.29
47.5	521.62	571.66	636.81	658.01	696.66	706.31	713.25	729.41	741.2	748.73
50	515.71	569.03	632.07	649.02	684.89	697.27	698.81	722.35	722.23	726.12
52.5	486	535.56	601.5	619.07	660.28	666.33	665.13	693.3	692.96	706.55
55	455.28	505.01	560.32	573.43	615.01	623.14	626.03	642.01	649.37	655.48
57.5	404.76	452.16	511.96	518.67	560.51	566.71	562.01	579.49	594.97	585.92
60	358.92	407.15	453.57	466.4	500.87	507.54	497.09	515.54	525.03	513.99
62.5	301.8	348.92	388.46	396.05	433.88	433.8	429.56	446.44	452.5	450.51
65	261.65	300.5	331.37	341.85	367.93	374.15	365.17	383.47	389.38	379.54
67.5	219.08	248.25	277.53	281.52	307.3	304.96	304.89	314.67	313.44	309.77
70	168.39	195.3	217.33	218.48	240.95	238.84	233.98	248.03	249.47	243.09
72.5	121.51	139.97	156.08	156.83	175.55	171.31	168.17	178.52	180.47	173.56
75	83.84	97.25	107.36	105.26	114.73	118.12	115.05	122.7	121.99	118.14
77.5	51.6	56.51	62.22	64.16	69.77	70.32	70.52	72.87	72.3	70.22
80	26.26	30.09	32.69	31.95	35.27	36.1	35.48	36.31	34.69	35.95
82.5	12	12.7	13.66	13.36	13.91	14.37	14.17	13.97	14.92	14.61
85	3.78	4.33	3.69	3.9	3.7	3.68	3.54	3.63	3.34	3.81
87.5	0.76	1.47	1.05	0.75	0.43	0.32	0.29	0.28	0.24	0.21
90	0.78	1.45	0.92	0.69	0.4	0.24	0.17	0.19	0.16	0.11

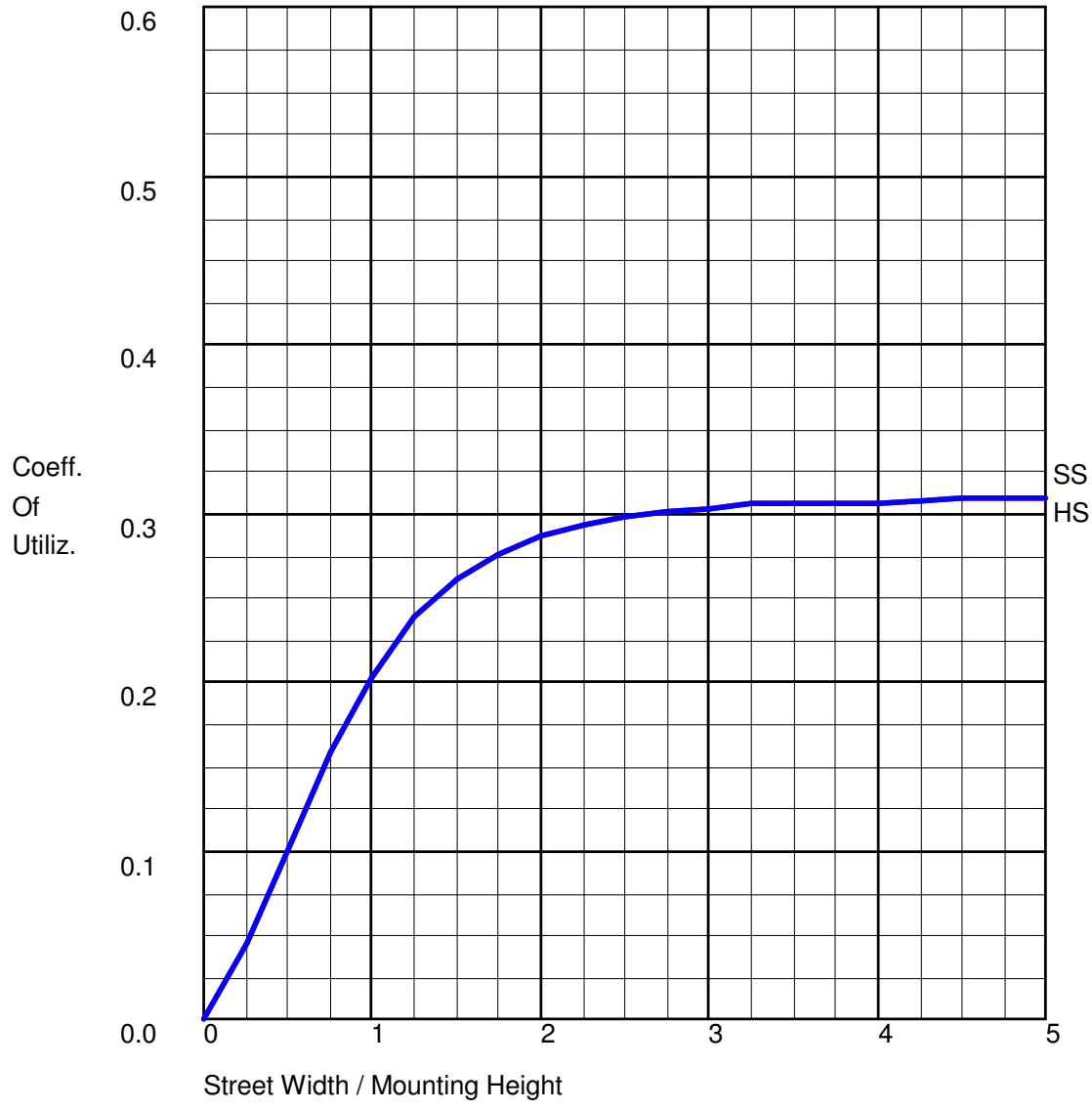
Vert. Angles	Horizontal Angles								
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	108.67	108.67	108.67	108.67	108.67	108.67	108.67	108.67	108.67
2.5	107.67	96.17	116.04	110.25	122.34	106.58	107.92	100.81	104.44
5	135.14	119.73	132.32	116.51	127.91	123.24	121.12	121.13	139.69
7.5	124.02	118.93	126.46	123.42	130.54	119.95	126.23	122.88	117.04
10	115.66	116.74	111.9	120.28	125.48	117.51	117.55	118.41	110.4
12.5	105.8	103.54	103.71	109.01	106.89	108.61	103	101.82	92.08
15	111.2	111.61	113.99	112.65	120.18	113.15	112.77	91.6	97
17.5	153.16	152.86	154.87	155.26	153.13	156.95	138.28	110.79	104.05
20	201.64	204.48	200.34	201.06	205	202.8	183.33	140	127.55
22.5	232.73	231.88	229.96	241.44	241.76	238.78	221.59	162.25	134.93
25	253.02	254.83	251.86	256.45	255.01	258.73	241.17	181.12	150.25
27.5	293.37	291.92	289.92	289.91	298.92	288.2	281.38	221.26	179.39

IES ROAD REPORT
PHOTOMETRIC FILENAME : BA V 42CFL.IES

CANDELA TABULATION - (Cont.)

30	372.27	352.27	354.43	352.25	359.09	351.65	345.07	280.38	247.16
32.5	451.18	450.35	440.79	429.03	429.93	433.08	412.52	343.06	307.32
35	544.99	531.1	517.25	509.34	498.26	488.6	471.39	416.4	364.25
37.5	618.59	606.82	596.99	589.1	561.11	550.98	532.73	465.6	433.33
40	681.38	685.84	666.13	650	628.26	599.71	579.42	516.09	472.91
42.5	721.07	715.89	688.79	677.5	656.22	626.43	608.12	543.15	495.09
45	736.7	725.15	715.48	692.17	667.99	642.28	622.7	554.2	502.51
47.5	744.31	725.76	715.99	698.89	671.5	639.18	620.29	552.27	496.5
50	724.09	710.79	701.56	684.99	671.42	631.22	611.93	535.91	485.86
52.5	692.45	683.02	664.13	663.79	647.41	602.17	586.48	511.09	459.77
55	652.99	639.83	619.38	617.49	601.26	561.12	540.82	478.97	432.59
57.5	582.07	581.01	559.4	555.87	545.95	508.35	482.58	431.15	384.05
60	518.42	513.92	490.33	489.07	485.24	444.6	435.96	384.39	328.16
62.5	452.58	445.93	421.22	430.9	423.31	386.78	377.39	337.44	288.39
65	383.47	381.3	363.84	365.48	357.18	325.52	313.99	281.85	247.83
67.5	314.85	311.09	292.43	297.86	292.3	270.62	263.12	234.27	205.05
70	253.69	244.66	228.79	236.67	231.22	205.9	207.12	185.22	162.27
72.5	181.07	177.43	169.12	169.41	162.79	146.85	150.04	132.97	117.95
75	122.5	119.76	113.06	113.03	112.27	103.02	101.07	92.54	84.2
77.5	73.7	72.54	71.68	68.56	67.8	63.82	59.23	56.52	50.68
80	36.62	36.13	34.43	36.01	34.72	31.09	31.96	28.71	27.17
82.5	13.86	14.97	14.23	13.93	13.9	13.86	14.05	12.83	11.57
85	3.72	3.36	3.56	3.58	3.55	3.93	4.25	4.15	3.65
87.5	0.25	0.32	0.28	0.35	0.46	0.81	1.05	1.46	0.86
90	0.19	0.17	0.2	0.29	0.36	0.67	0.9	1.45	0.63

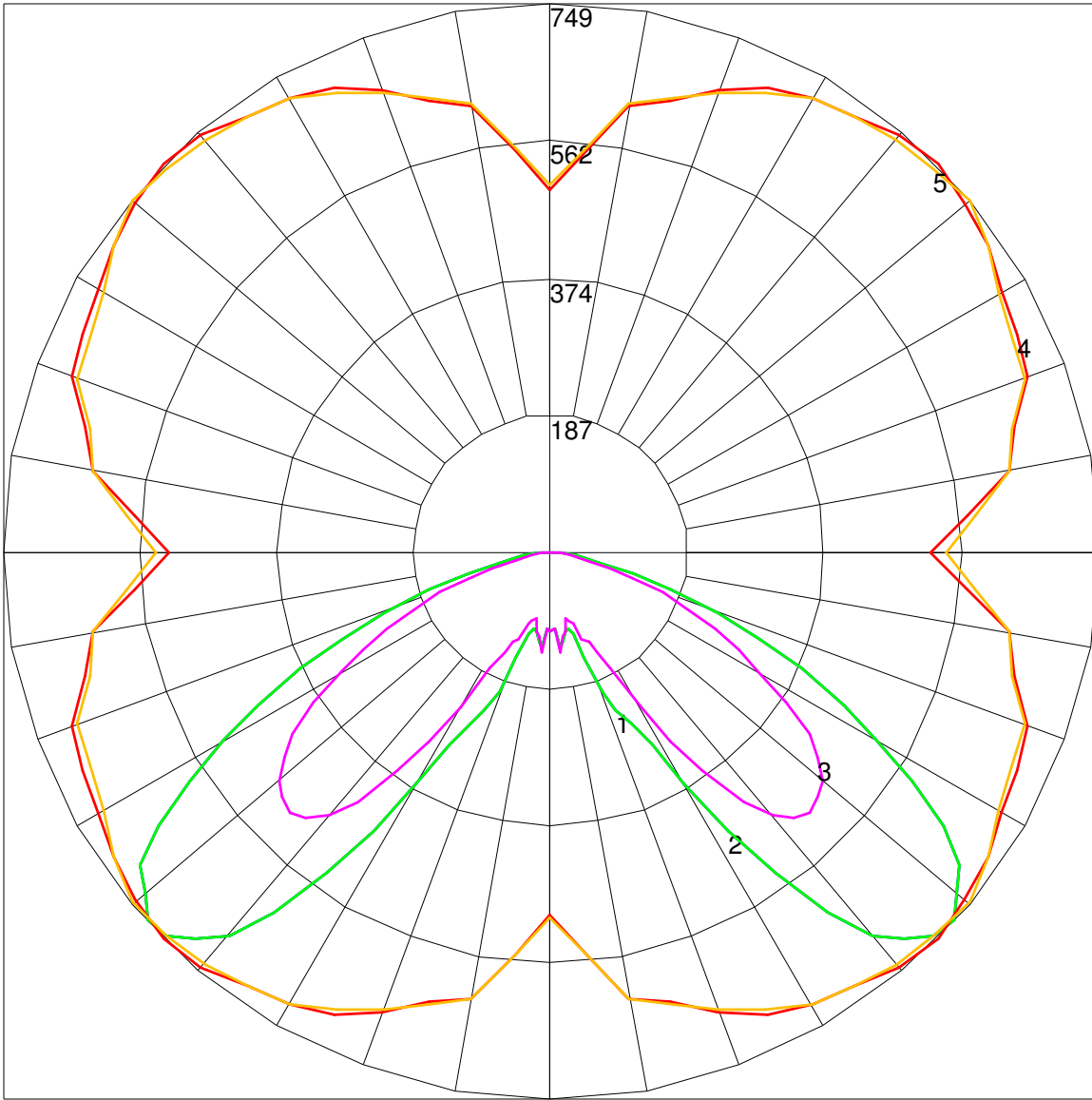
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

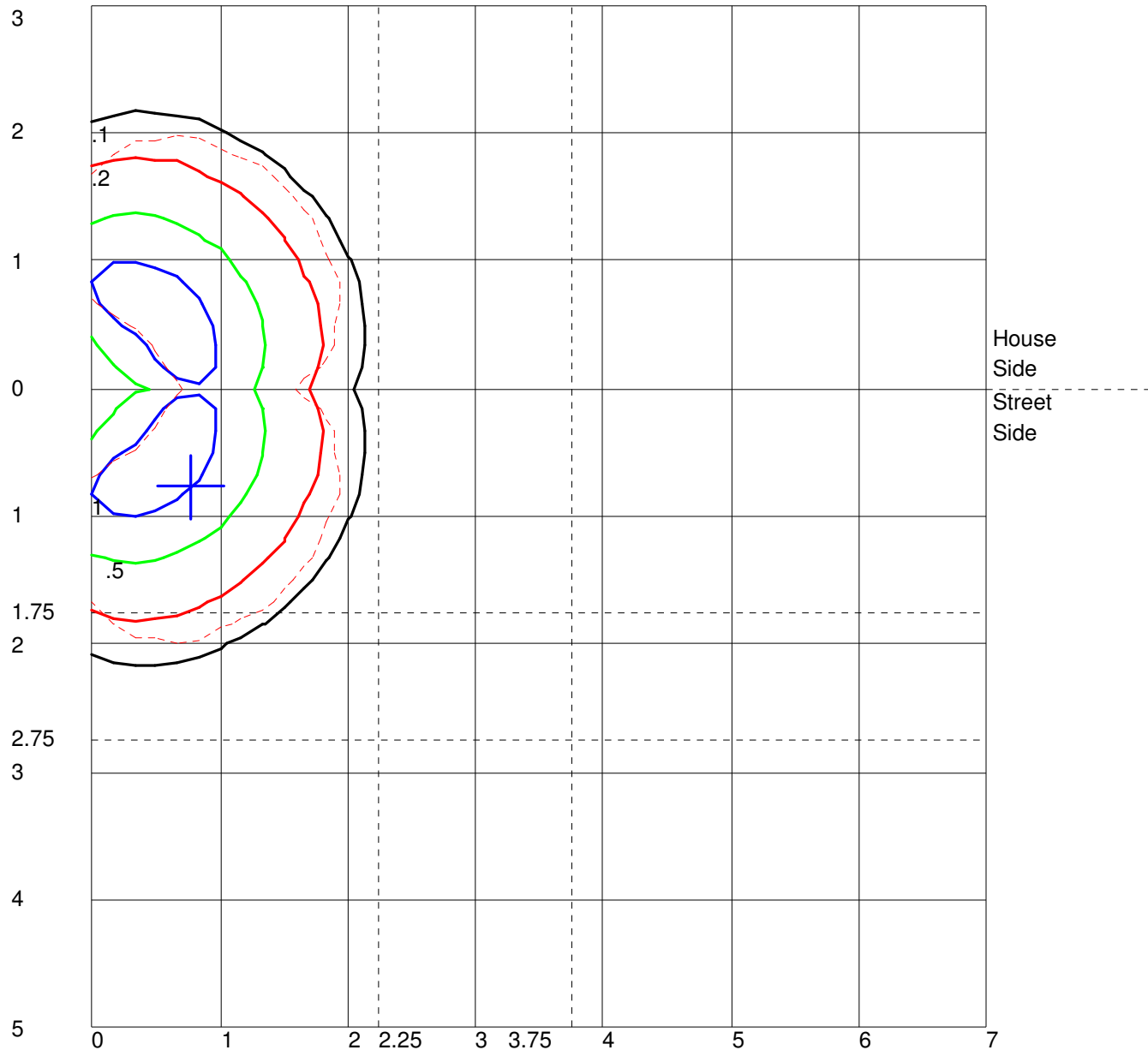
	Lumens	Percent Of Lamp
Downward Street Side	991.9	31.0
Downward House Side	991.9	31.0
Downward Total	1983.8	62.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1983.8	62.0

POLAR GRAPH



- Maximum Candela = 748.73 Located At Horizontal Angle = 45, Vertical Angle = 47.5
- # 1 - Vertical Plane Through Horizontal Angles (45 - 225) (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



Distance In Units Of Mounting Height
 Values Based On 15 Foot Mounting Height
 1/2 Maximum Candela Trace Shown As Dashed Curve
 (+) = Maximum Candela Point