



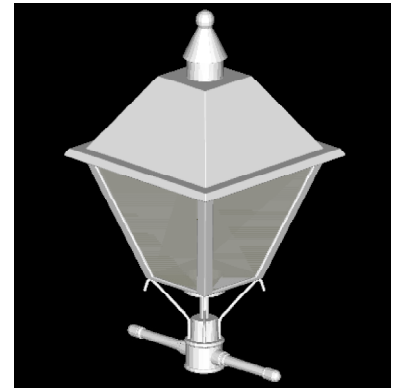
IES ROAD REPORT
PHOTOMETRIC FILENAME : JT V 42CFL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 3 0 0 517 PHOTOMETRIC REPORT
[DATE] Tue Mar 18 13:22:44 2008
[LUMINAIRE] PROJECT: JT V C2
[LAMP] Fluor. 42W DULUX triple tube
[LAMPCAT] CF42DT/E/IN/830

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Short
Cutoff Classification	Cutoff
Total Rated Lamp Lumens	3200
Maximum Candela	693.62
Maximum Candela Angle	80H 47.5V
Maximum Candela At 90 Degrees Vertical	46.65 (1.46% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	122.5 (3.83% Lamp Lms)
Downward Total Efficiency	60.2%



IES ROAD REPORT
PHOTOMETRIC FILENAME : JT 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	40.13	40.13	40.13	40.13	40.13	40.13	40.13	40.13	40.13	40.13
2.5	34.15	33.31	28.14	34.28	32.76	32.6	30.34	35.15	34.22	32.65
5	33.89	37.32	31.42	34.42	30.73	30.12	28.19	24.88	27.36	26.55
7.5	47.96	46.12	45.16	43.19	43.19	39.02	38.14	37.72	34.81	38.2
10	52.91	52.84	52.71	44.67	42.53	45.18	39.26	41.03	42.79	41.87
12.5	56.9	54.11	55.24	49.91	52.33	50.78	48.52	50.27	43.64	43.71
15	85.24	79.24	73.06	67.46	70.35	61.66	53.09	49.14	44.17	38.01
17.5	135.78	124.63	126.27	122.97	108.64	99.83	86.57	66.59	48.71	37.27
20	181.76	168.9	171.67	163.46	160.38	150.46	137.69	107.32	64.04	40.46
22.5	201.37	199.05	199.38	199.32	200.31	203.65	181.92	138.07	81.09	43.83
25	231.62	224.75	224.16	222.05	220.98	218.51	210.42	173.58	102.22	53.51
27.5	266.66	266.62	270.8	265.55	250.8	245.89	240.08	204.02	133.77	78.68
30	328.41	326.5	326.76	309.93	301.36	285.05	277.98	246.69	168.33	116.29
32.5	394.62	396.62	400.62	388.54	365.58	347.91	324.04	302.42	213.48	160.36
35	476.19	477.42	471.56	468.05	452.46	414.28	385.77	358.35	264.44	206.55
37.5	551.53	559.29	551.18	550.04	515.67	481.43	444.57	406.36	312.02	252.51
40	607.89	609.9	606.33	594.32	576.59	545.86	494.47	455.46	351.73	284.38
42.5	640.75	645.91	644.45	637.61	623.34	585.05	538.08	473.44	376.02	303.95
45	671.02	666.52	667.58	662.2	653.15	609.07	553.4	500.24	396.1	316.94
47.5	677.6	679.64	676.18	678.49	678.46	628.4	568.95	514.35	401.65	327.52
50	675.76	671.25	684.1	677.95	675.55	636.99	575.26	518.11	400.17	318.17
52.5	654.27	659.51	665.72	661.19	651.06	619.11	560.17	510.8	395.47	307.74
55	608.67	627.91	631.9	624.3	626.81	593.81	535.31	481.95	372.28	292.94
57.5	566.92	577.79	581.44	581.05	587.8	555.84	501.07	453.12	346.35	269.37
60	508.12	522.83	523.15	526.32	530.72	509.11	458.75	416.41	309.16	244.21
62.5	457.66	468.22	467.2	468.68	483.78	458.94	412.45	376.18	282.03	216.5
65	402.43	418.55	413.4	413.35	430.43	413.94	368.45	335.45	251.27	188.14
67.5	346.15	363.91	365.51	360.44	372.42	363.29	319.34	298.2	215.93	162.82
70	300.04	314.5	310.91	302.98	321.63	311.22	278.78	252.06	180.95	139.03
72.5	256.23	267.03	262.52	252.21	264.6	262.9	234.28	210.95	149.41	115.32
75	214.42	218.4	213.08	201.21	213.14	214.86	191.25	166.72	120.13	88.52
77.5	167.61	171.56	165.23	149.87	161.96	167.48	147.37	127.18	91.58	66.39
80	118.88	118.14	118.8	98.59	110.9	121.94	110.86	93.96	65.72	47.93
82.5	80.24	80.54	78.73	61.05	71.25	81.07	78.65	62.76	42.28	30.78
85	60.28	60.96	55.42	41.03	46.72	54.6	55.6	39.98	24.76	18.01
87.5	51.23	50.34	46.93	33.32	36.22	46.06	43.49	32.26	18.2	12.05
90	45.12	46.58	45.43	33.43	32.18	39.76	38.16	29.36	18.13	12.53
92.5	43.5	45.62	41.58	35.43	29.07	36.89	35.52	29.57	18.2	14.61
95	37.9	39.28	39.06	34.03	28.27	34.97	31.95	27.52	17.81	14.49
97.5	29.71	30.63	29.96	29.71	22.09	28.24	28.05	24.23	18.36	14.09
100	18.77	20.17	20.22	22.65	16.64	19.88	21.96	21.18	16.49	12.89
102.5	11.31	12.48	14.1	16.38	12.89	13.11	14.91	14.06	14	11.28
105	4.99	5.52	7.38	10.24	8.29	7.41	7.86	8.95	8.58	9.47
107.5	3.12	3.85	5.44	6.19	5.12	3.76	3.31	3.88	4.53	4.58
110	3.69	3.83	4.97	4.4	2.89	2.21	1.87	1.79	1.54	1.71
112.5	4.23	4.35	3.9	2.14	1.55	1.03	0.88	0.59	0.64	0.59
115	5.06	4.42	3.77	1.49	0.8	0.65	0.62	0.44	0.5	0.33
117.5	3.67	3.81	3.45	1.44	0.68	0.69	0.67	0.32	0.36	0.26
120	2.93	3.08	2.42	1.06	0.45	0.6	0.62	0.35	0.48	0.42
122.5	1.82	1.58	1.32	0.79	0.39	0.54	0.4	0.27	0.29	0.33
125	1.17	1.25	0.87	0.68	0.35	0.31	0.34	0.23	0.17	0.22
127.5	1.01	1.02	0.84	0.57	0.34	0.23	0.2	0.18	0.17	0.13
130	0.84	0.88	0.76	0.57	0.29	0.24	0.17	0.15	0.13	0.12

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

CANDELA TABULATION - (Cont.)

132.5	0.63	0.66	0.61	0.37	0.31	0.22	0.18	0.18	0.17	0.15
135	0.43	0.5	0.46	0.38	0.33	0.28	0.25	0.24	0.22	0.19
137.5	0.48	0.41	0.46	0.44	0.41	0.37	0.35	0.3	0.25	0.26
140	0.59	0.63	0.57	0.6	0.5	0.51	0.47	0.4	0.33	0.31
142.5	0.78	0.73	0.82	0.8	0.71	0.71	0.57	0.45	0.32	0.25
145	0.96	0.92	0.89	0.9	0.81	0.67	0.5	0.38	0.23	0.1
147.5	0.87	0.9	0.89	0.74	0.77	0.53	0.43	0.25	0.05	0.05
150	0.76	0.73	0.7	0.55	0.46	0.3	0.12	0.04	0.04	0.05
152.5	0.35	0.31	0.27	0.15	0.06	0.01	0.04	0.03	0.05	0.03
155	0	0	0	0	0.01	0	0.01	0.03	0.03	0.04
157.5	0	0	0	0.01	0	0.01	0.01	0.01	0.04	0.03
160	0	0	0	0	0	0	0.02	0	0.03	0.03
162.5	0	0	0	0	0	0.01	0.01	0	0.01	0.02
165	0	0	0	0	0	0	0	0.02	0.02	0.01
167.5	0	0	0	0	0	0.01	0	0	0.01	0.01
170	0	0	0	0	0	0	0	0	0.01	0
172.5	0	0	0	0	0	0	0	0.01	0	0.01
175	0	0	0	0	0	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0

Vert. Angles **Horizontal Angles**

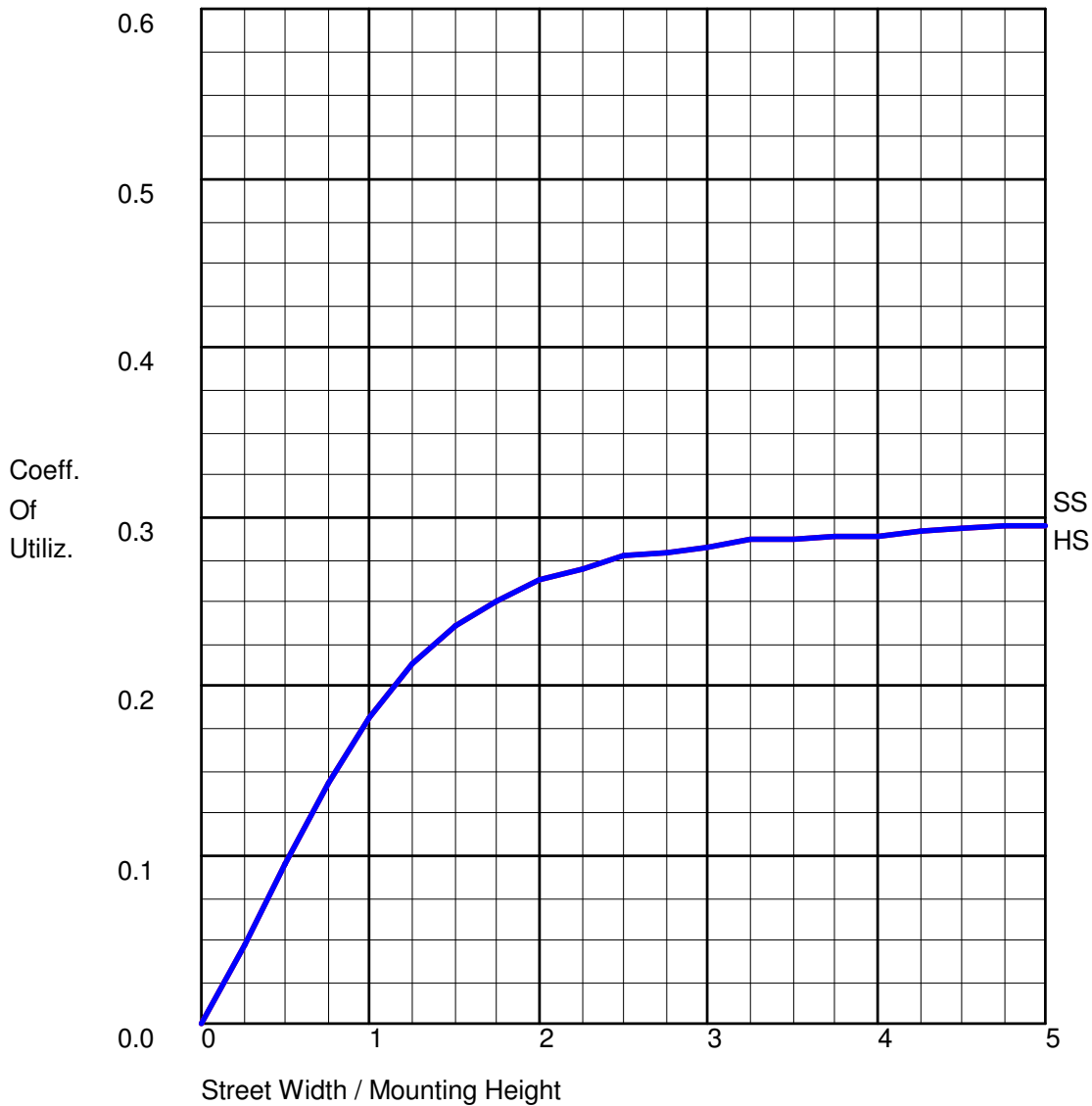
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	40.13	40.13	40.13	40.13	40.13	40.13	40.13	40.13	40.13
2.5	31.02	32.49	30.71	31.89	33.12	33.22	28.66	33.08	27.79
5	24.32	27.5	31.09	26.94	33.97	28.43	31.13	31.83	37.54
7.5	35.19	34.39	37.18	36.82	33.64	37.27	36.89	43.52	37.78
10	45.99	42.04	38.14	39.14	40.16	41.52	41.6	39.28	42.79
12.5	42.91	43.88	47.01	43.89	40.6	44.41	48	40.16	39.13
15	40.24	47.29	54.38	59.84	64	68.3	73.6	54.47	39.54
17.5	46.96	68.68	86.97	99.43	103	112.21	115.97	88.5	52.49
20	62.84	100.84	135.14	154.8	157.3	167.11	171.31	136.14	83.75
22.5	84.33	143.5	184.78	192.51	193.84	191.8	196.9	157.32	84.42
25	103.24	170.01	210.04	219.39	211.95	218.98	216.02	201.67	165.13
27.5	137.39	204.44	242.46	245.1	252.01	247.39	256.04	251.75	243.77
30	167.87	242.25	281.57	283.03	304.71	308.73	310.2	311.95	304.3
32.5	216.09	298.2	337.4	342.27	360.75	378.73	391.96	387.27	388.85
35	272.62	354.93	397.61	415.82	448.24	456.07	473.72	479.57	470.21
37.5	320.26	404.1	448.27	490	521.57	539.83	552.19	554.12	544.2
40	353.99	452.73	502.57	537.59	579.77	593.36	608.45	613.12	613.28
42.5	383.85	488.23	529.97	590.87	618.43	646.9	649.6	641.9	646.02
45	395.58	499.73	552.79	616.21	650.6	664.98	672.86	667.62	663.55
47.5	409.25	520.91	568.8	628.09	671.51	687.79	693.62	678.3	684.02
50	401.05	522.72	580.3	629.6	670.23	679.67	687.38	685.01	683.8
52.5	393.5	509.21	565.8	629.27	651.42	663.07	664.25	653.92	644.15
55	371.52	486.4	537.01	593.69	625.98	634.82	637.66	627.3	619.95
57.5	338.75	449.17	510.27	551.42	578.38	585.39	584.98	581.68	570.82
60	314.46	411.61	457.09	508.04	531.14	532.4	529.85	525.2	514.2
62.5	283.1	374.21	418.73	457.48	479.7	467.39	474.82	472.59	456.53
65	250.83	339.18	371.35	411.64	426.81	415.88	419.87	419.49	408.44
67.5	217.9	293.84	324.82	362.31	376.53	360.81	373.02	370.87	349.35
70	183.27	254.48	277.22	313.28	314.36	308.72	313.74	318.85	297.98
72.5	152.02	209.44	234.1	260.79	268.6	253.48	264.02	272.92	256.68
75	120.01	168.9	190.58	209.27	213.73	199.82	217.52	222.79	211.18
77.5	90.45	128.88	150.03	165.47	162.85	150.98	166.65	174.72	167.38

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

CANDELA TABULATION - (Cont.)

80	63.9	93.34	114.88	122.5	111.62	98.17	117.34	120.49	118.88
82.5	44.15	64.64	79.52	79.73	71.81	61.92	76.23	81.73	78.71
85	25.06	41.24	54.03	56.53	47.48	39.36	55.72	61.47	58.45
87.5	17.44	30.74	43.65	45.56	37.42	33.26	47.47	50.79	50.88
90	17.66	29.3	38.2	41.56	31.27	32.95	44.23	46.65	45.36
92.5	17.29	27.45	36.05	37.86	29.6	34.03	44.66	45.52	46.01
95	17.96	26.2	31.3	32.67	27.19	34.22	40.2	39.38	41.07
97.5	18.15	24.73	29.31	29.65	22.75	28.67	30.36	29.62	30.89
100	16.61	21.02	22.11	20.91	18.22	23.3	21.6	20.93	18.16
102.5	14.43	15.51	14.27	13.41	13.06	16.71	14.08	11.87	10.65
105	8.23	9.1	8.24	7.59	8.32	9.46	7.34	5	5.25
107.5	4.29	3.82	3.77	3.86	5.5	7.14	5.24	3.62	2.95
110	1.46	1.56	1.83	2.21	2.87	4.03	4.76	3.98	3.51
112.5	0.63	0.57	0.72	1.11	1.34	2.23	4.09	4.32	4.21
115	0.49	0.51	0.66	0.52	0.73	1.53	3.35	4.65	4.65
117.5	0.31	0.35	0.6	0.7	0.53	1.48	3.16	4.23	3.48
120	0.38	0.42	0.54	0.53	0.48	1.13	2.23	2.56	3.62
122.5	0.24	0.29	0.28	0.31	0.44	0.64	1.42	1.8	1.78
125	0.13	0.2	0.24	0.33	0.35	0.69	0.87	1.24	1.17
127.5	0.15	0.21	0.18	0.18	0.31	0.61	0.87	0.95	1.04
130	0.13	0.12	0.14	0.18	0.27	0.5	0.73	0.82	0.91
132.5	0.16	0.17	0.17	0.22	0.28	0.42	0.58	0.6	0.64
135	0.18	0.21	0.22	0.3	0.27	0.38	0.42	0.43	0.47
137.5	0.25	0.29	0.36	0.4	0.45	0.39	0.45	0.47	0.44
140	0.31	0.38	0.43	0.53	0.56	0.61	0.65	0.66	0.61
142.5	0.3	0.48	0.52	0.63	0.72	0.79	0.85	0.82	0.79
145	0.22	0.39	0.53	0.71	0.79	0.89	0.94	1.01	0.89
147.5	0.06	0.25	0.41	0.53	0.72	0.87	0.95	0.92	1
150	0.04	0.04	0.15	0.3	0.49	0.65	0.69	0.65	0.87
152.5	0.04	0.04	0.06	0.05	0.1	0.19	0.32	0.41	0.48
155	0.05	0.04	0.04	0.05	0.06	0.03	0.03	0.04	0.02
157.5	0.05	0.04	0.04	0.03	0.04	0.05	0.03	0.04	0.05
160	0.02	0.03	0.04	0.05	0.06	0.02	0.03	0.03	0.04
162.5	0.03	0.04	0.02	0.03	0.03	0.03	0.02	0.04	0.04
165	0.03	0.03	0.02	0.02	0.03	0.05	0.04	0.02	0.04
167.5	0.01	0.01	0.03	0.03	0	0.01	0.02	0.02	0.03
170	0	0.01	0.01	0	0	0	0.01	0.01	0.02
172.5	0	0	0.01	0.01	0.01	0.01	0	0.01	0
175	0	0	0	0.01	0	0	0	0	0
177.5	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0

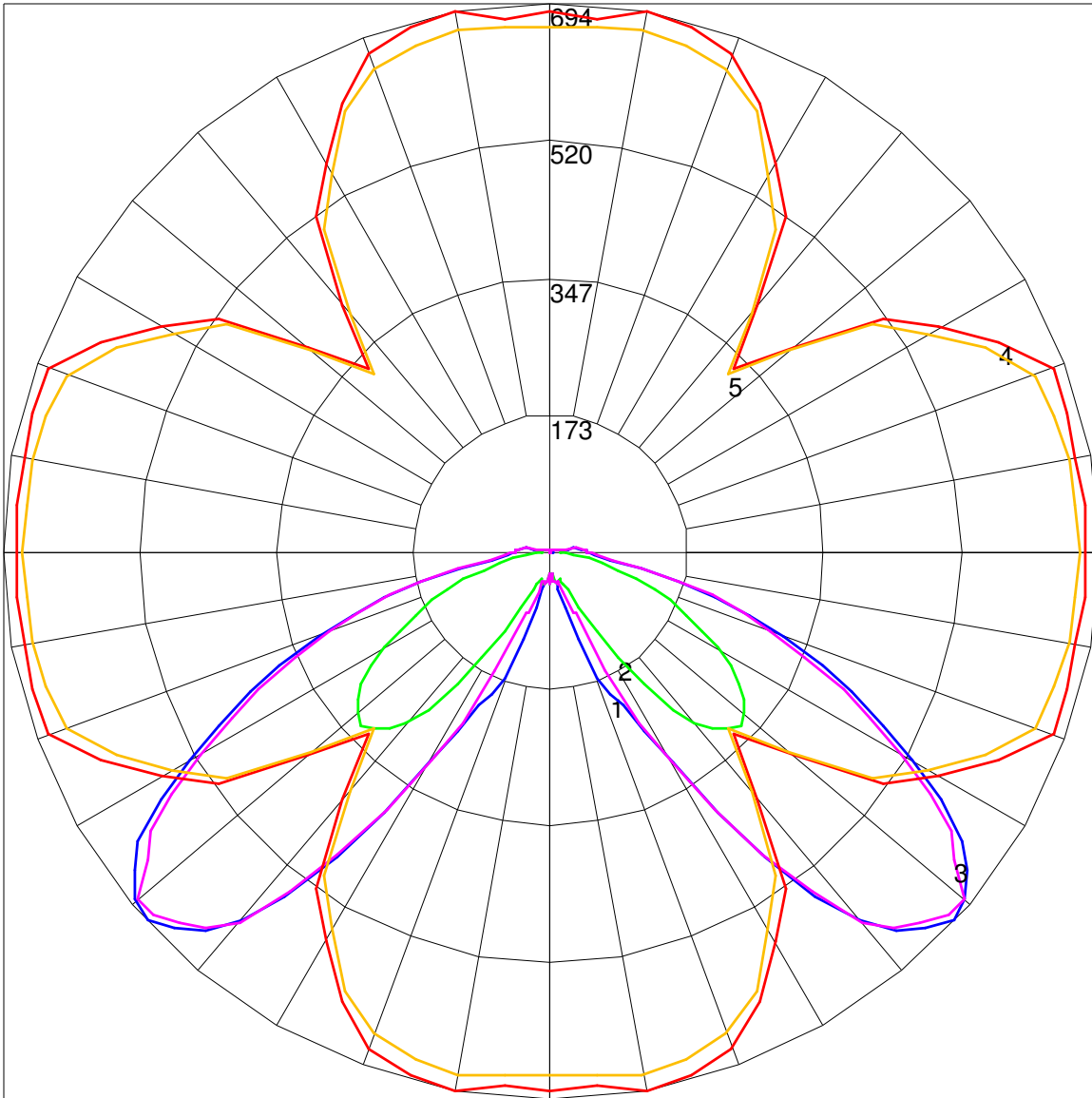
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

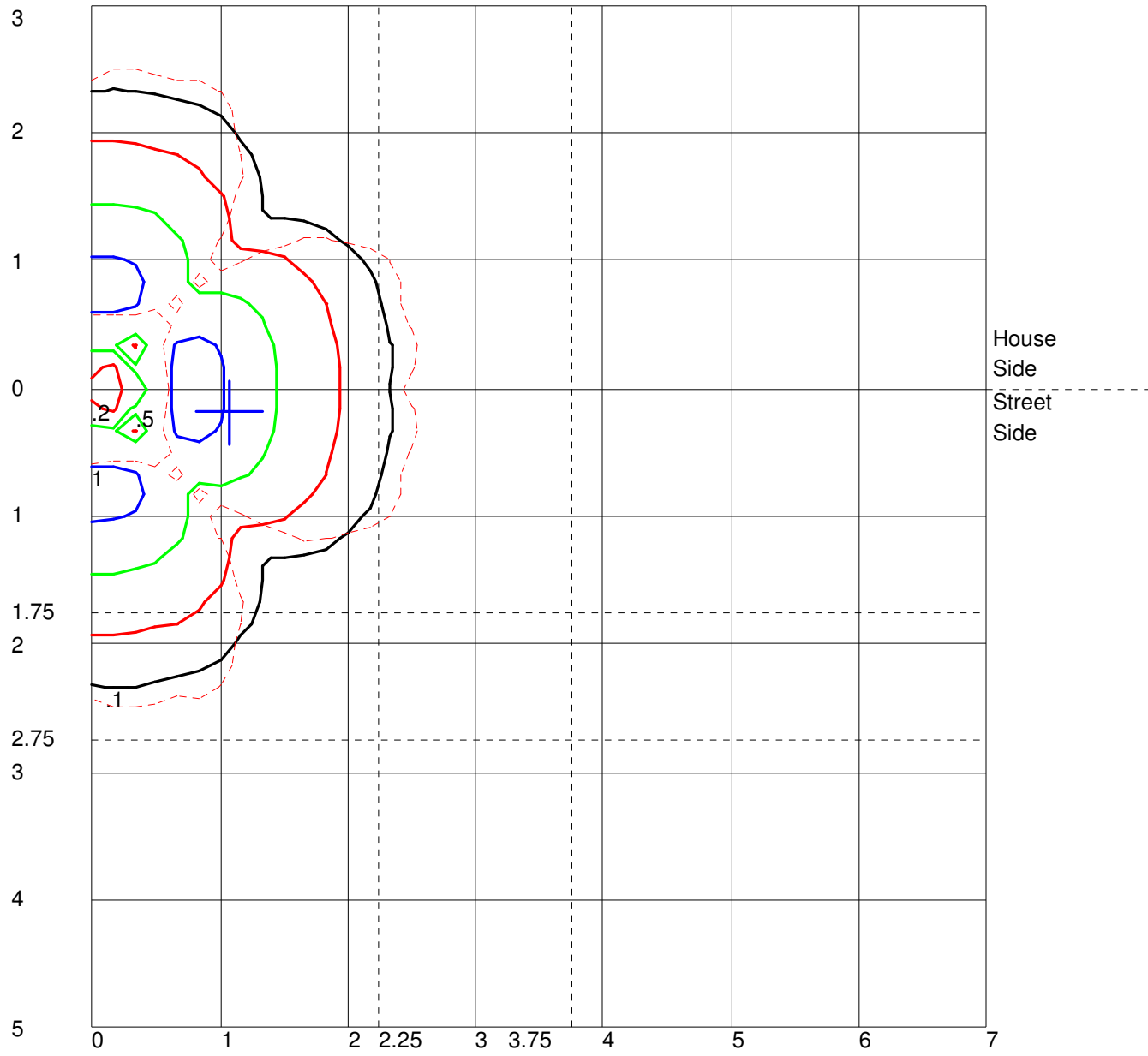
	Lumens	Percent Of Lamp
Downward Street Side	963.8	30.1
Downward House Side	963.8	30.1
Downward Total	1927.6	60.2
Upward Street Side	22.6	0.7
Upward House Side	22.6	0.7
Upward Total	45.2	1.4
Total Flux	1972.8	61.6

POLAR GRAPH



- Maximum Candela = 693.62 Located At Horizontal Angle = 80, Vertical Angle = 47.5
- # 1 - Vertical Plane Through Horizontal Angles (80 - 260) (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