

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00345_6 ~ PS1408GV-37L35K-EX-FJ2.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00345_6_M-37L

[TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 9/17/2018

[UPDATE] 10/24/2018

[LUMINAIRE] PS1408GV-37L-35K-EX-FJ2

[LUMCAT] Nom. 14" Diam x 10.4" H, Nautical Series RLM luminaire

[OTHER] Tapered spun aluminum shade, Matte White interior finish

[OTHER] 4" diam, inside frosted jar

[OTHER] 106.4 Degree Beam Angle

[OTHER] 96% Downlight; 4% Uplight

[LAMPCAT] N/A

[LAMP] N/A, Gen3

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.985, 27K x 0.971

[OTHER] This report generated by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2008
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.17 ft (Diameter)
Luminous Width (90-270)	1.17 ft (Diameter)
Luminous Height	0.25 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00345_6 ~ PS1408GV-37L35K-EX-FJ2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5104	5104	5104
55	4197	4197	4197
65	3374	3374	3374
75	2705	2705	2705
85	1879	1879	1879

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	718.605	718.605	718.605	718.605	718.605	718.605	718.605	718.605	718.605	718.605
2.5	718.605	718.605	718.605	718.605	718.605	718.605	718.605	718.605	718.605	718.605
5.0	705.035	705.035	705.035	705.035	705.035	705.035	705.035	705.035	705.035	705.035
7.5	688.752	688.752	688.752	688.752	688.752	688.752	688.752	688.752	688.752	688.752
10.0	666.159	666.159	666.159	666.159	666.159	666.159	666.159	666.159	666.159	666.159
12.5	642.748	642.748	642.748	642.748	642.748	642.748	642.748	642.748	642.748	642.748
15.0	621.226	621.226	621.226	621.226	621.226	621.226	621.226	621.226	621.226	621.226
17.5	599.838	599.838	599.838	599.838	599.838	599.838	599.838	599.838	599.838	599.838
20.0	585.063	585.063	585.063	585.063	585.063	585.063	585.063	585.063	585.063	585.063
22.5	570.558	570.558	570.558	570.558	570.558	570.558	570.558	570.558	570.558	570.558
25.0	560.451	560.451	560.451	560.451	560.451	560.451	560.451	560.451	560.451	560.451
27.5	550.407	550.407	550.407	550.407	550.407	550.407	550.407	550.407	550.407	550.407
30.0	541.056	541.056	541.056	541.056	541.056	541.056	541.056	541.056	541.056	541.056
32.5	531.411	531.411	531.411	531.411	531.411	531.411	531.411	531.411	531.411	531.411
35.0	519.887	519.887	519.887	519.887	519.887	519.887	519.887	519.887	519.887	519.887
37.5	507.785	507.785	507.785	507.785	507.785	507.785	507.785	507.785	507.785	507.785
40.0	493.152	493.152	493.152	493.152	493.152	493.152	493.152	493.152	493.152	493.152
42.5	477.587	477.587	477.587	477.587	477.587	477.587	477.587	477.587	477.587	477.587
45.0	458.986	458.986	458.986	458.986	458.986	458.986	458.986	458.986	458.986	458.986
47.5	437.482	437.482	437.482	437.482	437.482	437.482	437.482	437.482	437.482	437.482
50.0	408.717	408.717	408.717	408.717	408.717	408.717	408.717	408.717	408.717	408.717
52.5	375.672	375.672	375.672	375.672	375.672	375.672	375.672	375.672	375.672	375.672
55.0	334.186	334.186	334.186	334.186	334.186	334.186	334.186	334.186	334.186	334.186
57.5	296.051	296.051	296.051	296.051	296.051	296.051	296.051	296.051	296.051	296.051
60.0	263.244	263.244	263.244	263.244	263.244	263.244	263.244	263.244	263.244	263.244
62.5	238.980	238.980	238.980	238.980	238.980	238.980	238.980	238.980	238.980	238.980
65.0	225.742	225.742	225.742	225.742	225.742	225.742	225.742	225.742	225.742	225.742
67.5	210.087	210.087	210.087	210.087	210.087	210.087	210.087	210.087	210.087	210.087
70.0	191.892	191.892	191.892	191.892	191.892	191.892	191.892	191.892	191.892	191.892
72.5	168.653	168.653	168.653	168.653	168.653	168.653	168.653	168.653	168.653	168.653
75.0	141.064	141.064	141.064	141.064	141.064	141.064	141.064	141.064	141.064	141.064
77.5	117.635	117.635	117.635	117.635	117.635	117.635	117.635	117.635	117.635	117.635
80.0	97.127	97.127	97.127	97.127	97.127	97.127	97.127	97.127	97.127	97.127
82.5	80.963	80.963	80.963	80.963	80.963	80.963	80.963	80.963	80.963	80.963
85.0	67.283	67.283	67.283	67.283	67.283	67.283	67.283	67.283	67.283	67.283
87.5	56.092	56.092	56.092	56.092	56.092	56.092	56.092	56.092	56.092	56.092
90.0	46.030	46.030	46.030	46.030	46.030	46.030	46.030	46.030	46.030	46.030
92.5	40.445	40.445	40.445	40.445	40.445	40.445	40.445	40.445	40.445	40.445
95.0	36.443	36.443	36.443	36.443	36.443	36.443	36.443	36.443	36.443	36.443
97.5	33.090	33.090	33.090	33.090	33.090	33.090	33.090	33.090	33.090	33.090
100.0	29.911	29.911	29.911	29.911	29.911	29.911	29.911	29.911	29.911	29.911
102.5	26.006	26.006	26.006	26.006	26.006	26.006	26.006	26.006	26.006	26.006
105.0	21.960	21.960	21.960	21.960	21.960	21.960	21.960	21.960	21.960	21.960
107.5	18.448	18.448	18.448	18.448	18.448	18.448	18.448	18.448	18.448	18.448
110.0	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000
112.5	12.470	12.470	12.470	12.470	12.470	12.470	12.470	12.470	12.470	12.470
115.0	9.999	9.999	9.999	9.999	9.999	9.999	9.999	9.999	9.999	9.999
117.5	8.170	8.170	8.170	8.170	8.170	8.170	8.170	8.170	8.170	8.170
120.0	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378	6.378
122.5	5.290	5.290	5.290	5.290	5.290	5.290	5.290	5.290	5.290	5.290
125.0	4.219	4.219	4.219	4.219	4.219	4.219	4.219	4.219	4.219	4.219

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CANDELA TABULATION - (Cont.)

127.5	3.311	3.311	3.311	3.311	3.311	3.311	3.311	3.311	3.311	3.311
130.0	2.448	2.448	2.448	2.448	2.448	2.448	2.448	2.448	2.448	2.448
132.5	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856	1.856
135.0	1.346	1.346	1.346	1.346	1.346	1.346	1.346	1.346	1.346	1.346
137.5	1.187	1.187	1.187	1.187	1.187	1.187	1.187	1.187	1.187	1.187
140.0	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061
142.5	1.041	1.041	1.041	1.041	1.041	1.041	1.041	1.041	1.041	1.041
145.0	1.021	1.021	1.021	1.021	1.021	1.021	1.021	1.021	1.021	1.021
147.5	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002
150.0	0.978	0.978	0.978	0.978	0.978	0.978	0.978	0.978	0.978	0.978
152.5	0.945	0.945	0.945	0.945	0.945	0.945	0.945	0.945	0.945	0.945
155.0	0.934	0.934	0.934	0.934	0.934	0.934	0.934	0.934	0.934	0.934
157.5	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955
160.0	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944	0.944
162.5	0.907	0.907	0.907	0.907	0.907	0.907	0.907	0.907	0.907	0.907
165.0	0.904	0.904	0.904	0.904	0.904	0.904	0.904	0.904	0.904	0.904
167.5	0.899	0.899	0.899	0.899	0.899	0.899	0.899	0.899	0.899	0.899
170.0	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885	0.885
172.5	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870	0.870
175.0	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879	0.879
177.5	0.974	0.974	0.974	0.974	0.974	0.974	0.974	0.974	0.974	0.974
180.0	0.928	0.928	0.928	0.928	0.928	0.928	0.928	0.928	0.928	0.928

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	718.605	718.605	718.605	718.605	718.605	718.605	718.605
2.5	718.605	718.605	718.605	718.605	718.605	718.605	718.605
5.0	705.035	705.035	705.035	705.035	705.035	705.035	705.035
7.5	688.752	688.752	688.752	688.752	688.752	688.752	688.752
10.0	666.159	666.159	666.159	666.159	666.159	666.159	666.159
12.5	642.748	642.748	642.748	642.748	642.748	642.748	642.748
15.0	621.226	621.226	621.226	621.226	621.226	621.226	621.226
17.5	599.838	599.838	599.838	599.838	599.838	599.838	599.838
20.0	585.063	585.063	585.063	585.063	585.063	585.063	585.063
22.5	570.558	570.558	570.558	570.558	570.558	570.558	570.558
25.0	560.451	560.451	560.451	560.451	560.451	560.451	560.451
27.5	550.407	550.407	550.407	550.407	550.407	550.407	550.407
30.0	541.056	541.056	541.056	541.056	541.056	541.056	541.056
32.5	531.411	531.411	531.411	531.411	531.411	531.411	531.411
35.0	519.887	519.887	519.887	519.887	519.887	519.887	519.887
37.5	507.785	507.785	507.785	507.785	507.785	507.785	507.785
40.0	493.152	493.152	493.152	493.152	493.152	493.152	493.152
42.5	477.587	477.587	477.587	477.587	477.587	477.587	477.587
45.0	458.986	458.986	458.986	458.986	458.986	458.986	458.986
47.5	437.482	437.482	437.482	437.482	437.482	437.482	437.482
50.0	408.717	408.717	408.717	408.717	408.717	408.717	408.717
52.5	375.672	375.672	375.672	375.672	375.672	375.672	375.672
55.0	334.186	334.186	334.186	334.186	334.186	334.186	334.186
57.5	296.051	296.051	296.051	296.051	296.051	296.051	296.051
60.0	263.244	263.244	263.244	263.244	263.244	263.244	263.244
62.5	238.980	238.980	238.980	238.980	238.980	238.980	238.980
65.0	225.742	225.742	225.742	225.742	225.742	225.742	225.742

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CANDELA TABULATION - (Cont.)

67.5	210.087	210.087	210.087	210.087	210.087	210.087	210.087
70.0	191.892	191.892	191.892	191.892	191.892	191.892	191.892
72.5	168.653	168.653	168.653	168.653	168.653	168.653	168.653
75.0	141.064	141.064	141.064	141.064	141.064	141.064	141.064
77.5	117.635	117.635	117.635	117.635	117.635	117.635	117.635
80.0	97.127	97.127	97.127	97.127	97.127	97.127	97.127
82.5	80.963	80.963	80.963	80.963	80.963	80.963	80.963
85.0	67.283	67.283	67.283	67.283	67.283	67.283	67.283
87.5	56.092	56.092	56.092	56.092	56.092	56.092	56.092
90.0	46.030	46.030	46.030	46.030	46.030	46.030	46.030
92.5	40.445	40.445	40.445	40.445	40.445	40.445	40.445
95.0	36.443	36.443	36.443	36.443	36.443	36.443	36.443
97.5	33.090	33.090	33.090	33.090	33.090	33.090	33.090
100.0	29.911	29.911	29.911	29.911	29.911	29.911	29.911
102.5	26.006	26.006	26.006	26.006	26.006	26.006	26.006
105.0	21.960	21.960	21.960	21.960	21.960	21.960	21.960
107.5	18.448	18.448	18.448	18.448	18.448	18.448	18.448
110.0	15.000	15.000	15.000	15.000	15.000	15.000	15.000
112.5	12.470	12.470	12.470	12.470	12.470	12.470	12.470
115.0	9.999	9.999	9.999	9.999	9.999	9.999	9.999
117.5	8.170	8.170	8.170	8.170	8.170	8.170	8.170
120.0	6.378	6.378	6.378	6.378	6.378	6.378	6.378
122.5	5.290	5.290	5.290	5.290	5.290	5.290	5.290
125.0	4.219	4.219	4.219	4.219	4.219	4.219	4.219
127.5	3.311	3.311	3.311	3.311	3.311	3.311	3.311
130.0	2.448	2.448	2.448	2.448	2.448	2.448	2.448
132.5	1.856	1.856	1.856	1.856	1.856	1.856	1.856
135.0	1.346	1.346	1.346	1.346	1.346	1.346	1.346
137.5	1.187	1.187	1.187	1.187	1.187	1.187	1.187
140.0	1.061	1.061	1.061	1.061	1.061	1.061	1.061
142.5	1.041	1.041	1.041	1.041	1.041	1.041	1.041
145.0	1.021	1.021	1.021	1.021	1.021	1.021	1.021
147.5	1.002	1.002	1.002	1.002	1.002	1.002	1.002
150.0	0.978	0.978	0.978	0.978	0.978	0.978	0.978
152.5	0.945	0.945	0.945	0.945	0.945	0.945	0.945
155.0	0.934	0.934	0.934	0.934	0.934	0.934	0.934
157.5	0.955	0.955	0.955	0.955	0.955	0.955	0.955
160.0	0.944	0.944	0.944	0.944	0.944	0.944	0.944
162.5	0.907	0.907	0.907	0.907	0.907	0.907	0.907
165.0	0.904	0.904	0.904	0.904	0.904	0.904	0.904
167.5	0.899	0.899	0.899	0.899	0.899	0.899	0.899
170.0	0.885	0.885	0.885	0.885	0.885	0.885	0.885
172.5	0.870	0.870	0.870	0.870	0.870	0.870	0.870
175.0	0.879	0.879	0.879	0.879	0.879	0.879	0.879
177.5	0.974	0.974	0.974	0.974	0.974	0.974	0.974
180.0	0.928	0.928	0.928	0.928	0.928	0.928	0.928

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	241.33	N.A.	12.00
0-30	500.47	N.A.	24.90
0-40	825.96	N.A.	41.10
0-60	1478.1	N.A.	73.60
0-80	1852.48	N.A.	92.20
0-90	1927.67	N.A.	96.00
10-90	1861.56	N.A.	92.70
20-40	584.63	N.A.	29.10
20-50	937.09	N.A.	46.70
40-70	875.66	N.A.	43.60
60-80	374.38	N.A.	18.60
70-80	150.87	N.A.	7.50
80-90	75.19	N.A.	3.70
90-110	63.94	N.A.	3.20
90-120	74.25	N.A.	3.70
90-130	78.15	N.A.	3.90
90-150	79.99	N.A.	4.00
90-180	80.77	N.A.	4.00
110-180	16.84	N.A.	0.80
0-180	2008.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.11
10-20	175.22
20-30	259.15
30-40	325.48
40-50	352.47
50-60	299.68
60-70	223.51
70-80	150.87
80-90	75.19
90-100	40.38
100-110	23.56
110-120	10.31
120-130	3.90
130-140	1.20
140-150	0.64
150-160	0.44
160-170	0.26
170-180	0.08

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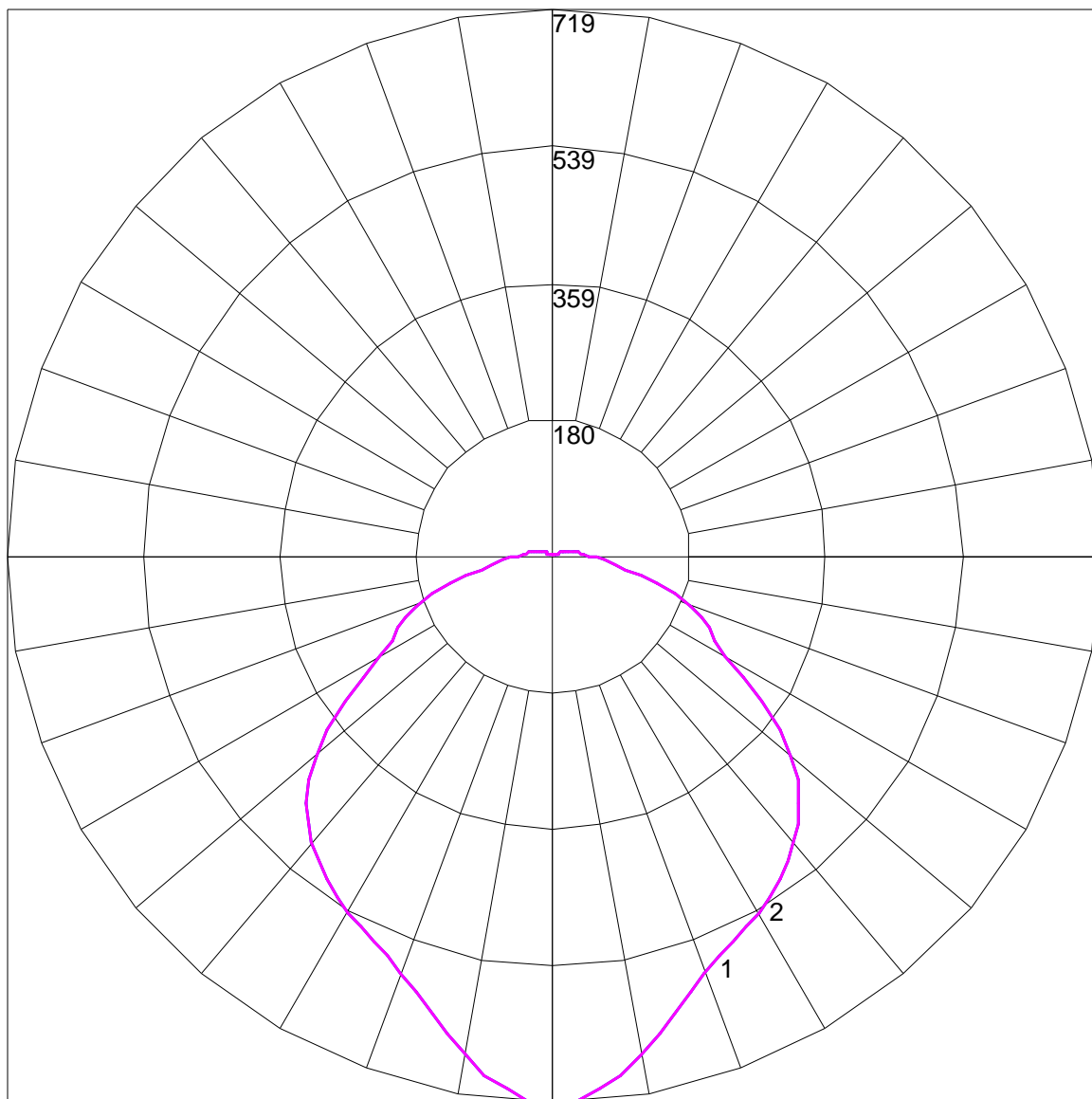
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	74	71	67	65
3	88	78	69	62	86	76	68	62	72	65	60	69	63	58	66	61	57	55
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	59	53	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	53	47	42	40
6	69	55	46	40	66	54	45	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	44	38	33	31
8	59	46	37	31	57	45	37	31	43	36	30	41	35	30	40	34	30	28
9	55	42	33	28	54	41	33	28	40	32	27	38	32	27	37	31	27	25
10	52	38	31	25	50	38	30	25	37	30	25	35	29	25	34	28	24	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00345_6 ~ PS1408GV-37L35K-EX-FJ2.IES

POLAR GRAPH



Maximum Candela = 718.605 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)