

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00345_6 ~ PS1408GV-15L35K-EX-FJ2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00345_6_M-15L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 9/17/2018

[UPDATE] 10/24/2018

[LUMINAIRE] PS1408GV-15L-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	784
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	10
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-15L35K-EX-FJ2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1992	1992	1992
55	1638	1638	1638
65	1317	1317	1317
75	1056	1056	1056
85	733	733	733

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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	280.457	280.457	280.457	280.457	280.457	280.457	280.457	280.457	280.457	280.457
2.5	280.457	280.457	280.457	280.457	280.457	280.457	280.457	280.457	280.457	280.457
5.0	275.161	275.161	275.161	275.161	275.161	275.161	275.161	275.161	275.161	275.161
7.5	268.806	268.806	268.806	268.806	268.806	268.806	268.806	268.806	268.806	268.806
10.0	259.988	259.988	259.988	259.988	259.988	259.988	259.988	259.988	259.988	259.988
12.5	250.851	250.851	250.851	250.851	250.851	250.851	250.851	250.851	250.851	250.851
15.0	242.452	242.452	242.452	242.452	242.452	242.452	242.452	242.452	242.452	242.452
17.5	234.105	234.105	234.105	234.105	234.105	234.105	234.105	234.105	234.105	234.105
20.0	228.338	228.338	228.338	228.338	228.338	228.338	228.338	228.338	228.338	228.338
22.5	222.677	222.677	222.677	222.677	222.677	222.677	222.677	222.677	222.677	222.677
25.0	218.733	218.733	218.733	218.733	218.733	218.733	218.733	218.733	218.733	218.733
27.5	214.813	214.813	214.813	214.813	214.813	214.813	214.813	214.813	214.813	214.813
30.0	211.163	211.163	211.163	211.163	211.163	211.163	211.163	211.163	211.163	211.163
32.5	207.399	207.399	207.399	207.399	207.399	207.399	207.399	207.399	207.399	207.399
35.0	202.901	202.901	202.901	202.901	202.901	202.901	202.901	202.901	202.901	202.901
37.5	198.178	198.178	198.178	198.178	198.178	198.178	198.178	198.178	198.178	198.178
40.0	192.468	192.468	192.468	192.468	192.468	192.468	192.468	192.468	192.468	192.468
42.5	186.393	186.393	186.393	186.393	186.393	186.393	186.393	186.393	186.393	186.393
45.0	179.133	179.133	179.133	179.133	179.133	179.133	179.133	179.133	179.133	179.133
47.5	170.740	170.740	170.740	170.740	170.740	170.740	170.740	170.740	170.740	170.740
50.0	159.514	159.514	159.514	159.514	159.514	159.514	159.514	159.514	159.514	159.514
52.5	146.617	146.617	146.617	146.617	146.617	146.617	146.617	146.617	146.617	146.617
55.0	130.426	130.426	130.426	130.426	130.426	130.426	130.426	130.426	130.426	130.426
57.5	115.543	115.543	115.543	115.543	115.543	115.543	115.543	115.543	115.543	115.543
60.0	102.739	102.739	102.739	102.739	102.739	102.739	102.739	102.739	102.739	102.739
62.5	93.269	93.269	93.269	93.269	93.269	93.269	93.269	93.269	93.269	93.269
65.0	88.102	88.102	88.102	88.102	88.102	88.102	88.102	88.102	88.102	88.102
67.5	81.993	81.993	81.993	81.993	81.993	81.993	81.993	81.993	81.993	81.993
70.0	74.891	74.891	74.891	74.891	74.891	74.891	74.891	74.891	74.891	74.891
72.5	65.822	65.822	65.822	65.822	65.822	65.822	65.822	65.822	65.822	65.822
75.0	55.054	55.054	55.054	55.054	55.054	55.054	55.054	55.054	55.054	55.054
77.5	45.911	45.911	45.911	45.911	45.911	45.911	45.911	45.911	45.911	45.911
80.0	37.907	37.907	37.907	37.907	37.907	37.907	37.907	37.907	37.907	37.907
82.5	31.598	31.598	31.598	31.598	31.598	31.598	31.598	31.598	31.598	31.598
85.0	26.259	26.259	26.259	26.259	26.259	26.259	26.259	26.259	26.259	26.259
87.5	21.891	21.891	21.891	21.891	21.891	21.891	21.891	21.891	21.891	21.891
90.0	17.965	17.965	17.965	17.965	17.965	17.965	17.965	17.965	17.965	17.965
92.5	15.785	15.785	15.785	15.785	15.785	15.785	15.785	15.785	15.785	15.785
95.0	14.223	14.223	14.223	14.223	14.223	14.223	14.223	14.223	14.223	14.223
97.5	12.914	12.914	12.914	12.914	12.914	12.914	12.914	12.914	12.914	12.914
100.0	11.674	11.674	11.674	11.674	11.674	11.674	11.674	11.674	11.674	11.674
102.5	10.150	10.150	10.150	10.150	10.150	10.150	10.150	10.150	10.150	10.150
105.0	8.571	8.571	8.571	8.571	8.571	8.571	8.571	8.571	8.571	8.571
107.5	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
110.0	5.854	5.854	5.854	5.854	5.854	5.854	5.854	5.854	5.854	5.854
112.5	4.867	4.867	4.867	4.867	4.867	4.867	4.867	4.867	4.867	4.867
115.0	3.902	3.902	3.902	3.902	3.902	3.902	3.902	3.902	3.902	3.902
117.5	3.189	3.189	3.189	3.189	3.189	3.189	3.189	3.189	3.189	3.189
120.0	2.489	2.489	2.489	2.489	2.489	2.489	2.489	2.489	2.489	2.489
122.5	2.065	2.065	2.065	2.065	2.065	2.065	2.065	2.065	2.065	2.065
125.0	1.646	1.646	1.646	1.646	1.646	1.646	1.646	1.646	1.646	1.646

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CANDELA TABULATION - (Cont.)

127.5	1.292	1.292	1.292	1.292	1.292	1.292	1.292	1.292	1.292	1.292
130.0	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955	0.955
132.5	0.724	0.724	0.724	0.724	0.724	0.724	0.724	0.724	0.724	0.724
135.0	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525	0.525
137.5	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.463
140.0	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414	0.414
142.5	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.406
145.0	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398	0.398
147.5	0.391	0.391	0.391	0.391	0.391	0.391	0.391	0.391	0.391	0.391
150.0	0.382	0.382	0.382	0.382	0.382	0.382	0.382	0.382	0.382	0.382
152.5	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369	0.369
155.0	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365	0.365
157.5	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373	0.373
160.0	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368	0.368
162.5	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354	0.354
165.0	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353	0.353
167.5	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351	0.351
170.0	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345	0.345
172.5	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339	0.339
175.0	0.343	0.343	0.343	0.343	0.343	0.343	0.343	0.343	0.343	0.343
177.5	0.380	0.380	0.380	0.380	0.380	0.380	0.380	0.380	0.380	0.380
180.0	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362	0.362

Vert. 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	280.457	280.457	280.457	280.457	280.457	280.457	280.457
2.5	280.457	280.457	280.457	280.457	280.457	280.457	280.457
5.0	275.161	275.161	275.161	275.161	275.161	275.161	275.161
7.5	268.806	268.806	268.806	268.806	268.806	268.806	268.806
10.0	259.988	259.988	259.988	259.988	259.988	259.988	259.988
12.5	250.851	250.851	250.851	250.851	250.851	250.851	250.851
15.0	242.452	242.452	242.452	242.452	242.452	242.452	242.452
17.5	234.105	234.105	234.105	234.105	234.105	234.105	234.105
20.0	228.338	228.338	228.338	228.338	228.338	228.338	228.338
22.5	222.677	222.677	222.677	222.677	222.677	222.677	222.677
25.0	218.733	218.733	218.733	218.733	218.733	218.733	218.733
27.5	214.813	214.813	214.813	214.813	214.813	214.813	214.813
30.0	211.163	211.163	211.163	211.163	211.163	211.163	211.163
32.5	207.399	207.399	207.399	207.399	207.399	207.399	207.399
35.0	202.901	202.901	202.901	202.901	202.901	202.901	202.901
37.5	198.178	198.178	198.178	198.178	198.178	198.178	198.178
40.0	192.468	192.468	192.468	192.468	192.468	192.468	192.468
42.5	186.393	186.393	186.393	186.393	186.393	186.393	186.393
45.0	179.133	179.133	179.133	179.133	179.133	179.133	179.133
47.5	170.740	170.740	170.740	170.740	170.740	170.740	170.740
50.0	159.514	159.514	159.514	159.514	159.514	159.514	159.514
52.5	146.617	146.617	146.617	146.617	146.617	146.617	146.617
55.0	130.426	130.426	130.426	130.426	130.426	130.426	130.426
57.5	115.543	115.543	115.543	115.543	115.543	115.543	115.543
60.0	102.739	102.739	102.739	102.739	102.739	102.739	102.739
62.5	93.269	93.269	93.269	93.269	93.269	93.269	93.269
65.0	88.102	88.102	88.102	88.102	88.102	88.102	88.102

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CANDELA TABULATION - (Cont.)

67.5	81.993	81.993	81.993	81.993	81.993	81.993	81.993
70.0	74.891	74.891	74.891	74.891	74.891	74.891	74.891
72.5	65.822	65.822	65.822	65.822	65.822	65.822	65.822
75.0	55.054	55.054	55.054	55.054	55.054	55.054	55.054
77.5	45.911	45.911	45.911	45.911	45.911	45.911	45.911
80.0	37.907	37.907	37.907	37.907	37.907	37.907	37.907
82.5	31.598	31.598	31.598	31.598	31.598	31.598	31.598
85.0	26.259	26.259	26.259	26.259	26.259	26.259	26.259
87.5	21.891	21.891	21.891	21.891	21.891	21.891	21.891
90.0	17.965	17.965	17.965	17.965	17.965	17.965	17.965
92.5	15.785	15.785	15.785	15.785	15.785	15.785	15.785
95.0	14.223	14.223	14.223	14.223	14.223	14.223	14.223
97.5	12.914	12.914	12.914	12.914	12.914	12.914	12.914
100.0	11.674	11.674	11.674	11.674	11.674	11.674	11.674
102.5	10.150	10.150	10.150	10.150	10.150	10.150	10.150
105.0	8.571	8.571	8.571	8.571	8.571	8.571	8.571
107.5	7.200	7.200	7.200	7.200	7.200	7.200	7.200
110.0	5.854	5.854	5.854	5.854	5.854	5.854	5.854
112.5	4.867	4.867	4.867	4.867	4.867	4.867	4.867
115.0	3.902	3.902	3.902	3.902	3.902	3.902	3.902
117.5	3.189	3.189	3.189	3.189	3.189	3.189	3.189
120.0	2.489	2.489	2.489	2.489	2.489	2.489	2.489
122.5	2.065	2.065	2.065	2.065	2.065	2.065	2.065
125.0	1.646	1.646	1.646	1.646	1.646	1.646	1.646
127.5	1.292	1.292	1.292	1.292	1.292	1.292	1.292
130.0	0.955	0.955	0.955	0.955	0.955	0.955	0.955
132.5	0.724	0.724	0.724	0.724	0.724	0.724	0.724
135.0	0.525	0.525	0.525	0.525	0.525	0.525	0.525
137.5	0.463	0.463	0.463	0.463	0.463	0.463	0.463
140.0	0.414	0.414	0.414	0.414	0.414	0.414	0.414
142.5	0.406	0.406	0.406	0.406	0.406	0.406	0.406
145.0	0.398	0.398	0.398	0.398	0.398	0.398	0.398
147.5	0.391	0.391	0.391	0.391	0.391	0.391	0.391
150.0	0.382	0.382	0.382	0.382	0.382	0.382	0.382
152.5	0.369	0.369	0.369	0.369	0.369	0.369	0.369
155.0	0.365	0.365	0.365	0.365	0.365	0.365	0.365
157.5	0.373	0.373	0.373	0.373	0.373	0.373	0.373
160.0	0.368	0.368	0.368	0.368	0.368	0.368	0.368
162.5	0.354	0.354	0.354	0.354	0.354	0.354	0.354
165.0	0.353	0.353	0.353	0.353	0.353	0.353	0.353
167.5	0.351	0.351	0.351	0.351	0.351	0.351	0.351
170.0	0.345	0.345	0.345	0.345	0.345	0.345	0.345
172.5	0.339	0.339	0.339	0.339	0.339	0.339	0.339
175.0	0.343	0.343	0.343	0.343	0.343	0.343	0.343
177.5	0.380	0.380	0.380	0.380	0.380	0.380	0.380
180.0	0.362	0.362	0.362	0.362	0.362	0.362	0.362

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	94.19	N.A.	12.00
0-30	195.33	N.A.	24.90
0-40	322.35	N.A.	41.10
0-60	576.87	N.A.	73.60
0-80	722.98	N.A.	92.20
0-90	752.33	N.A.	96.00
10-90	726.53	N.A.	92.70
20-40	228.17	N.A.	29.10
20-50	365.73	N.A.	46.70
40-70	341.75	N.A.	43.60
60-80	146.11	N.A.	18.60
70-80	58.88	N.A.	7.50
80-90	29.35	N.A.	3.70
90-110	24.95	N.A.	3.20
90-120	28.98	N.A.	3.70
90-130	30.50	N.A.	3.90
90-150	31.22	N.A.	4.00
90-180	31.52	N.A.	4.00
110-180	6.57	N.A.	0.80
0-180	783.86	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.80
10-20	68.38
20-30	101.14
30-40	127.03
40-50	137.56
50-60	116.96
60-70	87.23
70-80	58.88
80-90	29.35
90-100	15.76
100-110	9.20
110-120	4.02
120-130	1.52
130-140	0.47
140-150	0.25
150-160	0.17
160-170	0.10
170-180	0.03

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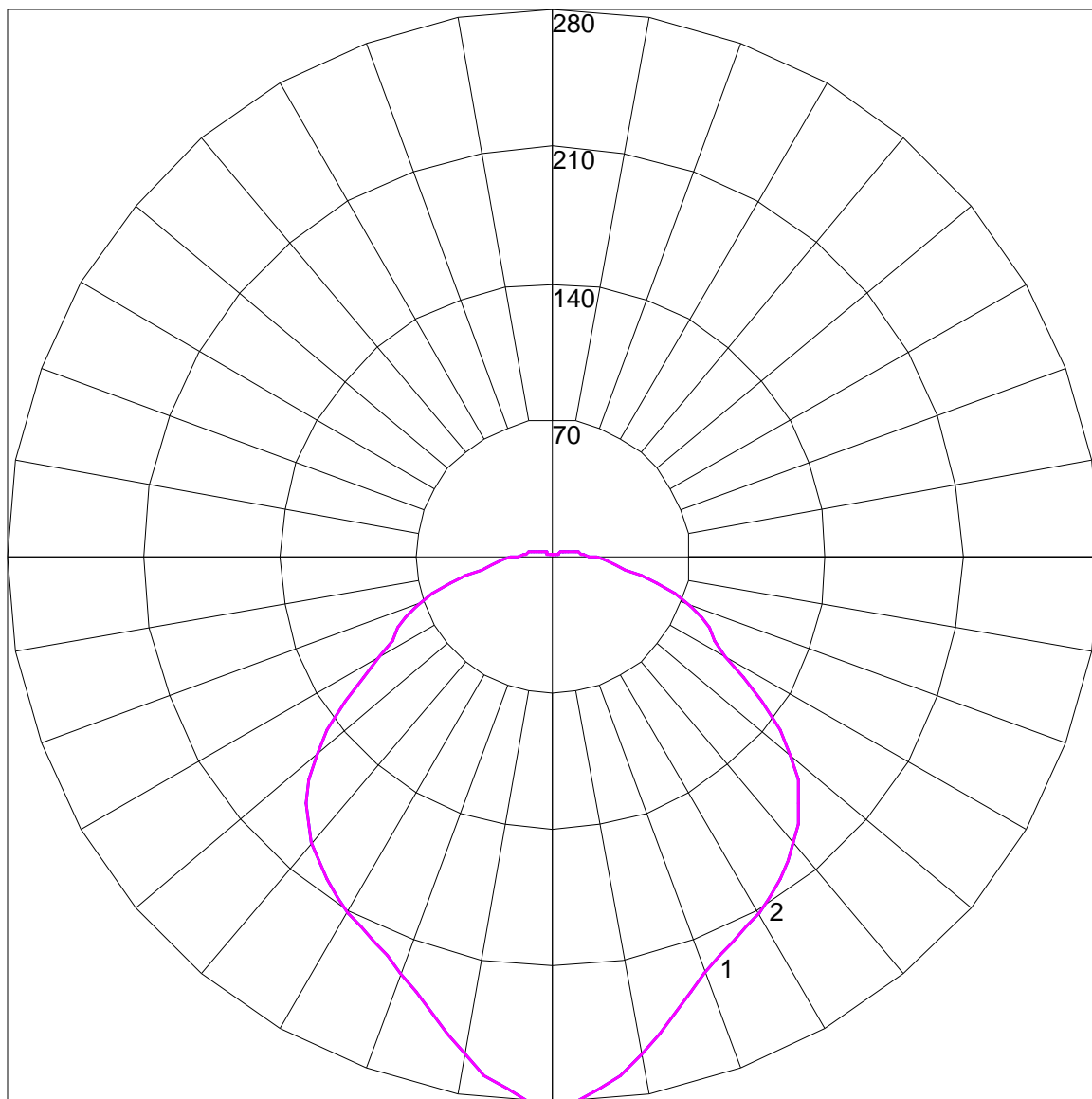
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	76	72	78	74	70	74	71	67	65
3	88	78	69	62	85	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	58	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	39	34	45	39	34	43	38	33	31
8	59	46	37	31	57	45	36	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	24	34	28	24	22

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POLAR GRAPH



Maximum Candela = 280.457 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)