

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00345_6 ~ PS1408GV-45L35K-EX-FJ2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00345_6_M-45L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/17/2018
 [UPDATE] 10/24/2018
 [LUMCAT] PS1408GV-45L-35K-EX-FJ2
 [LUMINARE] 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
 [_CCTMULT] 40K x 1.03, 30K x 0.985, 27K x 0.971
 [_CRI] 80+
 [_LAMPMULT] 15L x 0.322, 27L x 0.564, 37L x 0.826
 [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	2284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	30
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-45L35K-EX-FJ2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5803	5803	5803
55	4772	4772	4772
65	3836	3836	3836
75	3076	3076	3076
85	2136	2136	2136

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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	817.030	817.030	817.030	817.030	817.030	817.030	817.030	817.030	817.030	817.030
2.5	817.030	817.030	817.030	817.030	817.030	817.030	817.030	817.030	817.030	817.030
5.0	801.601	801.601	801.601	801.601	801.601	801.601	801.601	801.601	801.601	801.601
7.5	783.087	783.087	783.087	783.087	783.087	783.087	783.087	783.087	783.087	783.087
10.0	757.400	757.400	757.400	757.400	757.400	757.400	757.400	757.400	757.400	757.400
12.5	730.782	730.782	730.782	730.782	730.782	730.782	730.782	730.782	730.782	730.782
15.0	706.313	706.313	706.313	706.313	706.313	706.313	706.313	706.313	706.313	706.313
17.5	681.996	681.996	681.996	681.996	681.996	681.996	681.996	681.996	681.996	681.996
20.0	665.197	665.197	665.197	665.197	665.197	665.197	665.197	665.197	665.197	665.197
22.5	648.705	648.705	648.705	648.705	648.705	648.705	648.705	648.705	648.705	648.705
25.0	637.213	637.213	637.213	637.213	637.213	637.213	637.213	637.213	637.213	637.213
27.5	625.794	625.794	625.794	625.794	625.794	625.794	625.794	625.794	625.794	625.794
30.0	615.162	615.162	615.162	615.162	615.162	615.162	615.162	615.162	615.162	615.162
32.5	604.197	604.197	604.197	604.197	604.197	604.197	604.197	604.197	604.197	604.197
35.0	591.093	591.093	591.093	591.093	591.093	591.093	591.093	591.093	591.093	591.093
37.5	577.335	577.335	577.335	577.335	577.335	577.335	577.335	577.335	577.335	577.335
40.0	560.697	560.697	560.697	560.697	560.697	560.697	560.697	560.697	560.697	560.697
42.5	543.000	543.000	543.000	543.000	543.000	543.000	543.000	543.000	543.000	543.000
45.0	521.851	521.851	521.851	521.851	521.851	521.851	521.851	521.851	521.851	521.851
47.5	497.402	497.402	497.402	497.402	497.402	497.402	497.402	497.402	497.402	497.402
50.0	464.698	464.698	464.698	464.698	464.698	464.698	464.698	464.698	464.698	464.698
52.5	427.127	427.127	427.127	427.127	427.127	427.127	427.127	427.127	427.127	427.127
55.0	379.958	379.958	379.958	379.958	379.958	379.958	379.958	379.958	379.958	379.958
57.5	336.600	336.600	336.600	336.600	336.600	336.600	336.600	336.600	336.600	336.600
60.0	299.300	299.300	299.300	299.300	299.300	299.300	299.300	299.300	299.300	299.300
62.5	271.712	271.712	271.712	271.712	271.712	271.712	271.712	271.712	271.712	271.712
65.0	256.661	256.661	256.661	256.661	256.661	256.661	256.661	256.661	256.661	256.661
67.5	238.861	238.861	238.861	238.861	238.861	238.861	238.861	238.861	238.861	238.861
70.0	218.174	218.174	218.174	218.174	218.174	218.174	218.174	218.174	218.174	218.174
72.5	191.752	191.752	191.752	191.752	191.752	191.752	191.752	191.752	191.752	191.752
75.0	160.385	160.385	160.385	160.385	160.385	160.385	160.385	160.385	160.385	160.385
77.5	133.747	133.747	133.747	133.747	133.747	133.747	133.747	133.747	133.747	133.747
80.0	110.430	110.430	110.430	110.430	110.430	110.430	110.430	110.430	110.430	110.430
82.5	92.053	92.053	92.053	92.053	92.053	92.053	92.053	92.053	92.053	92.053
85.0	76.499	76.499	76.499	76.499	76.499	76.499	76.499	76.499	76.499	76.499
87.5	63.774	63.774	63.774	63.774	63.774	63.774	63.774	63.774	63.774	63.774
90.0	52.335	52.335	52.335	52.335	52.335	52.335	52.335	52.335	52.335	52.335
92.5	45.984	45.984	45.984	45.984	45.984	45.984	45.984	45.984	45.984	45.984
95.0	41.435	41.435	41.435	41.435	41.435	41.435	41.435	41.435	41.435	41.435
97.5	37.622	37.622	37.622	37.622	37.622	37.622	37.622	37.622	37.622	37.622
100.0	34.008	34.008	34.008	34.008	34.008	34.008	34.008	34.008	34.008	34.008
102.5	29.568	29.568	29.568	29.568	29.568	29.568	29.568	29.568	29.568	29.568
105.0	24.968	24.968	24.968	24.968	24.968	24.968	24.968	24.968	24.968	24.968
107.5	20.974	20.974	20.974	20.974	20.974	20.974	20.974	20.974	20.974	20.974
110.0	17.055	17.055	17.055	17.055	17.055	17.055	17.055	17.055	17.055	17.055
112.5	14.178	14.178	14.178	14.178	14.178	14.178	14.178	14.178	14.178	14.178
115.0	11.368	11.368	11.368	11.368	11.368	11.368	11.368	11.368	11.368	11.368
117.5	9.289	9.289	9.289	9.289	9.289	9.289	9.289	9.289	9.289	9.289
120.0	7.251	7.251	7.251	7.251	7.251	7.251	7.251	7.251	7.251	7.251
122.5	6.015	6.015	6.015	6.015	6.015	6.015	6.015	6.015	6.015	6.015
125.0	4.796	4.796	4.796	4.796	4.796	4.796	4.796	4.796	4.796	4.796

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CANDELA TABULATION - (Cont.)

127.5	3.764	3.764	3.764	3.764	3.764	3.764	3.764	3.764	3.764	3.764
130.0	2.783	2.783	2.783	2.783	2.783	2.783	2.783	2.783	2.783	2.783
132.5	2.110	2.110	2.110	2.110	2.110	2.110	2.110	2.110	2.110	2.110
135.0	1.530	1.530	1.530	1.530	1.530	1.530	1.530	1.530	1.530	1.530
137.5	1.349	1.349	1.349	1.349	1.349	1.349	1.349	1.349	1.349	1.349
140.0	1.207	1.207	1.207	1.207	1.207	1.207	1.207	1.207	1.207	1.207
142.5	1.183	1.183	1.183	1.183	1.183	1.183	1.183	1.183	1.183	1.183
145.0	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160
147.5	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139	1.139
150.0	1.112	1.112	1.112	1.112	1.112	1.112	1.112	1.112	1.112	1.112
152.5	1.075	1.075	1.075	1.075	1.075	1.075	1.075	1.075	1.075	1.075
155.0	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062	1.062
157.5	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085	1.085
160.0	1.073	1.073	1.073	1.073	1.073	1.073	1.073	1.073	1.073	1.073
162.5	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031	1.031
165.0	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028	1.028
167.5	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022
170.0	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007
172.5	0.989	0.989	0.989	0.989	0.989	0.989	0.989	0.989	0.989	0.989
175.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
177.5	1.108	1.108	1.108	1.108	1.108	1.108	1.108	1.108	1.108	1.108
180.0	1.055	1.055	1.055	1.055	1.055	1.055	1.055	1.055	1.055	1.055

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	817.030	817.030	817.030	817.030	817.030	817.030	817.030
2.5	817.030	817.030	817.030	817.030	817.030	817.030	817.030
5.0	801.601	801.601	801.601	801.601	801.601	801.601	801.601
7.5	783.087	783.087	783.087	783.087	783.087	783.087	783.087
10.0	757.400	757.400	757.400	757.400	757.400	757.400	757.400
12.5	730.782	730.782	730.782	730.782	730.782	730.782	730.782
15.0	706.313	706.313	706.313	706.313	706.313	706.313	706.313
17.5	681.996	681.996	681.996	681.996	681.996	681.996	681.996
20.0	665.197	665.197	665.197	665.197	665.197	665.197	665.197
22.5	648.705	648.705	648.705	648.705	648.705	648.705	648.705
25.0	637.213	637.213	637.213	637.213	637.213	637.213	637.213
27.5	625.794	625.794	625.794	625.794	625.794	625.794	625.794
30.0	615.162	615.162	615.162	615.162	615.162	615.162	615.162
32.5	604.197	604.197	604.197	604.197	604.197	604.197	604.197
35.0	591.093	591.093	591.093	591.093	591.093	591.093	591.093
37.5	577.335	577.335	577.335	577.335	577.335	577.335	577.335
40.0	560.697	560.697	560.697	560.697	560.697	560.697	560.697
42.5	543.000	543.000	543.000	543.000	543.000	543.000	543.000
45.0	521.851	521.851	521.851	521.851	521.851	521.851	521.851
47.5	497.402	497.402	497.402	497.402	497.402	497.402	497.402
50.0	464.698	464.698	464.698	464.698	464.698	464.698	464.698
52.5	427.127	427.127	427.127	427.127	427.127	427.127	427.127
55.0	379.958	379.958	379.958	379.958	379.958	379.958	379.958
57.5	336.600	336.600	336.600	336.600	336.600	336.600	336.600
60.0	299.300	299.300	299.300	299.300	299.300	299.300	299.300
62.5	271.712	271.712	271.712	271.712	271.712	271.712	271.712
65.0	256.661	256.661	256.661	256.661	256.661	256.661	256.661

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CANDELA TABULATION - (Cont.)

67.5	238.861	238.861	238.861	238.861	238.861	238.861	238.861
70.0	218.174	218.174	218.174	218.174	218.174	218.174	218.174
72.5	191.752	191.752	191.752	191.752	191.752	191.752	191.752
75.0	160.385	160.385	160.385	160.385	160.385	160.385	160.385
77.5	133.747	133.747	133.747	133.747	133.747	133.747	133.747
80.0	110.430	110.430	110.430	110.430	110.430	110.430	110.430
82.5	92.053	92.053	92.053	92.053	92.053	92.053	92.053
85.0	76.499	76.499	76.499	76.499	76.499	76.499	76.499
87.5	63.774	63.774	63.774	63.774	63.774	63.774	63.774
90.0	52.335	52.335	52.335	52.335	52.335	52.335	52.335
92.5	45.984	45.984	45.984	45.984	45.984	45.984	45.984
95.0	41.435	41.435	41.435	41.435	41.435	41.435	41.435
97.5	37.622	37.622	37.622	37.622	37.622	37.622	37.622
100.0	34.008	34.008	34.008	34.008	34.008	34.008	34.008
102.5	29.568	29.568	29.568	29.568	29.568	29.568	29.568
105.0	24.968	24.968	24.968	24.968	24.968	24.968	24.968
107.5	20.974	20.974	20.974	20.974	20.974	20.974	20.974
110.0	17.055	17.055	17.055	17.055	17.055	17.055	17.055
112.5	14.178	14.178	14.178	14.178	14.178	14.178	14.178
115.0	11.368	11.368	11.368	11.368	11.368	11.368	11.368
117.5	9.289	9.289	9.289	9.289	9.289	9.289	9.289
120.0	7.251	7.251	7.251	7.251	7.251	7.251	7.251
122.5	6.015	6.015	6.015	6.015	6.015	6.015	6.015
125.0	4.796	4.796	4.796	4.796	4.796	4.796	4.796
127.5	3.764	3.764	3.764	3.764	3.764	3.764	3.764
130.0	2.783	2.783	2.783	2.783	2.783	2.783	2.783
132.5	2.110	2.110	2.110	2.110	2.110	2.110	2.110
135.0	1.530	1.530	1.530	1.530	1.530	1.530	1.530
137.5	1.349	1.349	1.349	1.349	1.349	1.349	1.349
140.0	1.207	1.207	1.207	1.207	1.207	1.207	1.207
142.5	1.183	1.183	1.183	1.183	1.183	1.183	1.183
145.0	1.160	1.160	1.160	1.160	1.160	1.160	1.160
147.5	1.139	1.139	1.139	1.139	1.139	1.139	1.139
150.0	1.112	1.112	1.112	1.112	1.112	1.112	1.112
152.5	1.075	1.075	1.075	1.075	1.075	1.075	1.075
155.0	1.062	1.062	1.062	1.062	1.062	1.062	1.062
157.5	1.085	1.085	1.085	1.085	1.085	1.085	1.085
160.0	1.073	1.073	1.073	1.073	1.073	1.073	1.073
162.5	1.031	1.031	1.031	1.031	1.031	1.031	1.031
165.0	1.028	1.028	1.028	1.028	1.028	1.028	1.028
167.5	1.022	1.022	1.022	1.022	1.022	1.022	1.022
170.0	1.007	1.007	1.007	1.007	1.007	1.007	1.007
172.5	0.989	0.989	0.989	0.989	0.989	0.989	0.989
175.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000
177.5	1.108	1.108	1.108	1.108	1.108	1.108	1.108
180.0	1.055	1.055	1.055	1.055	1.055	1.055	1.055

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	274.38	N.A.	12.00
0-30	569.02	N.A.	24.90
0-40	939.08	N.A.	41.10
0-60	1680.55	N.A.	73.60
0-80	2106.2	N.A.	92.20
0-90	2191.7	N.A.	96.00
10-90	2116.53	N.A.	92.70
20-40	664.70	N.A.	29.10
20-50	1065.44	N.A.	46.70
40-70	995.59	N.A.	43.60
60-80	425.65	N.A.	18.60
70-80	171.53	N.A.	7.50
80-90	85.49	N.A.	3.70
90-110	72.69	N.A.	3.20
90-120	84.42	N.A.	3.70
90-130	88.85	N.A.	3.90
90-150	90.95	N.A.	4.00
90-180	91.84	N.A.	4.00
110-180	19.14	N.A.	0.80
0-180	2283.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.16
10-20	199.22
20-30	294.64
30-40	370.06
40-50	400.74
50-60	340.72
60-70	254.13
70-80	171.53
80-90	85.49
90-100	45.91
100-110	26.79
110-120	11.72
120-130	4.43
130-140	1.37
140-150	0.73
150-160	0.50
160-170	0.29
170-180	0.10

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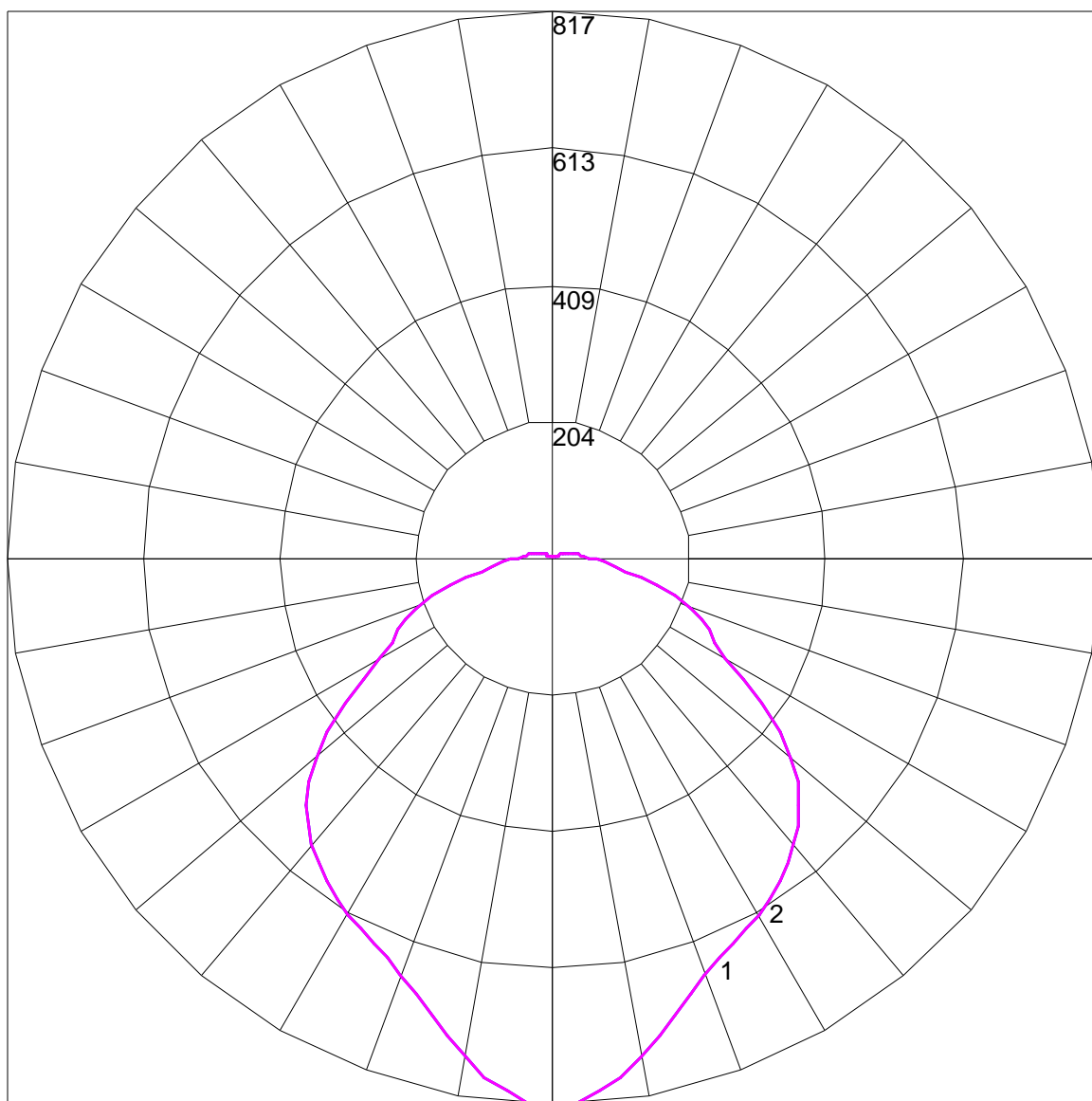
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	38	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 = 817.03 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)