

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_5 ~ C0412XT-20LXXK-MDEX-GLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_5_M-20L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. Cylinder XT Series, Medium Beam
 [LUMCAT] C0412XT-20L-xxK-MD-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear Glass Lens
 [OTHER] 26.8 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 50L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1387
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.26 ft (Diameter)
Luminous Width (90-270)	0.26 ft (Diameter)
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1828	1779	1824
55	1394	1484	1396
65	551	598	532
75	542	470	596
85	1995	978	810

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	4691.072	4691.072	4691.072	4691.072	4691.072
5	4224.528	4236.912	4184.560	4279.088	4258.864
10	3127.715	3164.598	3057.878	3199.419	3146.905
15	1970.916	1990.325	1911.478	2006.604	1978.802
20	1172.494	1177.777	1139.610	1192.352	1186.974
25	728.056	721.916	715.612	739.321	747.407
30	388.724	407.084	379.687	424.665	407.718
35	117.591	120.484	110.388	127.096	125.928
40	15.830	11.066	13.837	11.839	15.676
45	6.628	6.058	6.450	7.160	6.615
50	5.531	5.712	6.032	5.782	5.948
55	4.101	4.564	4.365	4.534	4.107
60	2.102	1.782	2.288	2.174	2.065
65	1.194	0.867	1.297	0.665	1.154
70	0.978	0.814	0.813	0.460	0.784
75	0.719	0.742	0.624	0.613	0.791
80	0.822	0.665	0.917	0.769	0.568
85	0.892	0.980	0.437	0.366	0.362
90	0.544	0.330	1.094	0.392	0.526

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Zone	Lumens	%Lamp	%Fixt
0-20	932.76	N.A.	67.30
0-30	1275.27	N.A.	92.00
0-40	1374.39	N.A.	99.10
0-60	1384.26	N.A.	99.80
0-80	1386.21	N.A.	99.90
0-90	1386.91	N.A.	100.00
10-90	1016.35	N.A.	73.30
20-40	441.64	N.A.	31.80
20-50	447.79	N.A.	32.30
40-70	11.06	N.A.	0.80
60-80	1.95	N.A.	0.10
70-80	0.76	N.A.	0.10
80-90	0.70	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1386.91	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	370.56
10-20	562.20
20-30	342.52
30-40	99.12
40-50	6.15
50-60	3.72
60-70	1.19
70-80	0.76
80-90	0.70
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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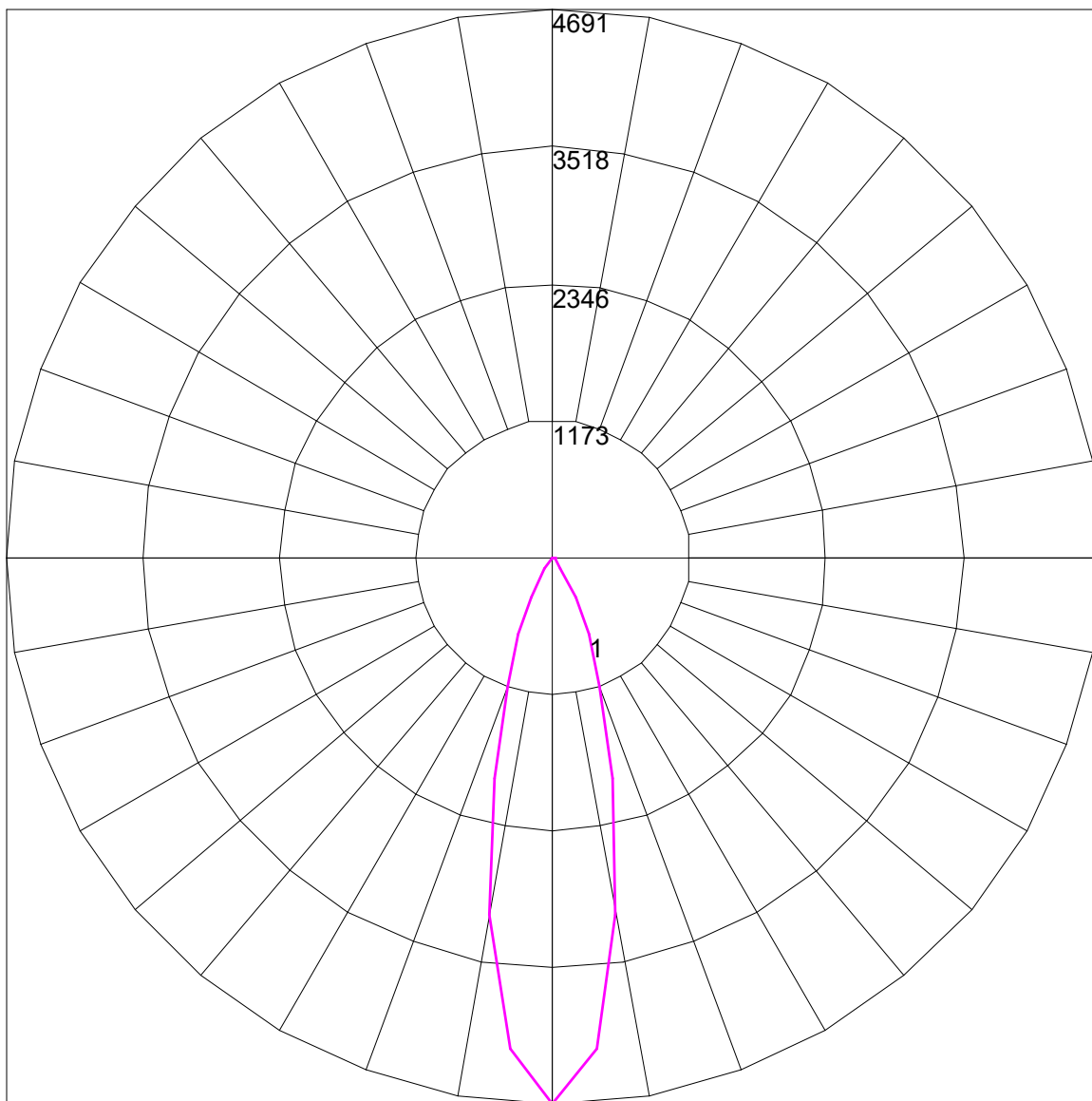
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92
3	106	101	97	94	105	100	96	94	98	95	92	95	93	91	93	91	89	88
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	89	82	77	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	74	71	78	74	71	77	74	71	76	73	71	70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	69	74	71	68	67

POLAR GRAPH



Maximum Candela = 4691.072 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)