

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_8 ~ C0412XT-30LXXK-WDEX-BBXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_8_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/7/2017
 [LUMINAIRE] Nom.4" Diam x 11.5"H. LED Cylinder XT Series, Wide Beam
 [LUMCAT] C0412XT-30L-xxK-WD-EX-BB-xx-MW
 [OTHER] Matte White finish, Black baffle, no lens
 [OTHER] 37.3 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	2182
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.62
Spacing Criterion (Diagonal)	0.62
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	2570	2564	2573
55	1101	1472	1645
65	462	1063	1137
75	1104	1584	1816
85	1989	1825	1897

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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	5045.085	5045.085	5045.085	5045.085	5045.085
5	4883.717	4885.662	4862.436	4860.084	4814.752
10	4287.536	4274.782	4256.730	4261.357	4196.578
15	3298.401	3285.681	3270.666	3294.748	3221.871
20	2233.553	2222.788	2219.638	2215.407	2194.217
25	1426.033	1416.947	1410.835	1406.055	1400.971
30	757.847	744.844	727.291	731.286	697.667
35	192.376	187.012	196.859	171.918	185.778
40	15.666	14.450	19.553	14.944	20.409
45	9.321	7.815	9.299	8.648	9.331
50	5.332	5.128	5.336	4.954	6.478
55	3.238	2.971	4.329	4.728	4.838
60	2.560	2.255	2.938	2.794	3.643
65	1.001	1.789	2.305	1.819	2.464
70	1.225	1.999	2.251	1.722	1.930
75	1.466	2.303	2.102	1.882	2.410
80	1.024	0.543	0.609	1.061	0.697
85	0.889	0.610	0.816	0.875	0.848
90	0.515	0.726	0.408	0.825	1.023

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Zone	Lumens	%Lamp	%Fixt
0-20	1344.81	N.A.	61.60
0-30	1996.91	N.A.	91.50
0-40	2166.11	N.A.	99.30
0-60	2177.28	N.A.	99.80
0-80	2181.17	N.A.	100.00
0-90	2182.00	N.A.	100.00
10-90	1737.17	N.A.	79.60
20-40	821.29	N.A.	37.60
20-50	828.87	N.A.	38.00
40-70	13.28	N.A.	0.60
60-80	3.89	N.A.	0.20
70-80	1.79	N.A.	0.10
80-90	0.83	N.A.	0.00
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	2182.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	444.83
10-20	899.99
20-30	652.10
30-40	169.19
40-50	7.57
50-60	3.60
60-70	2.10
70-80	1.79
80-90	0.83
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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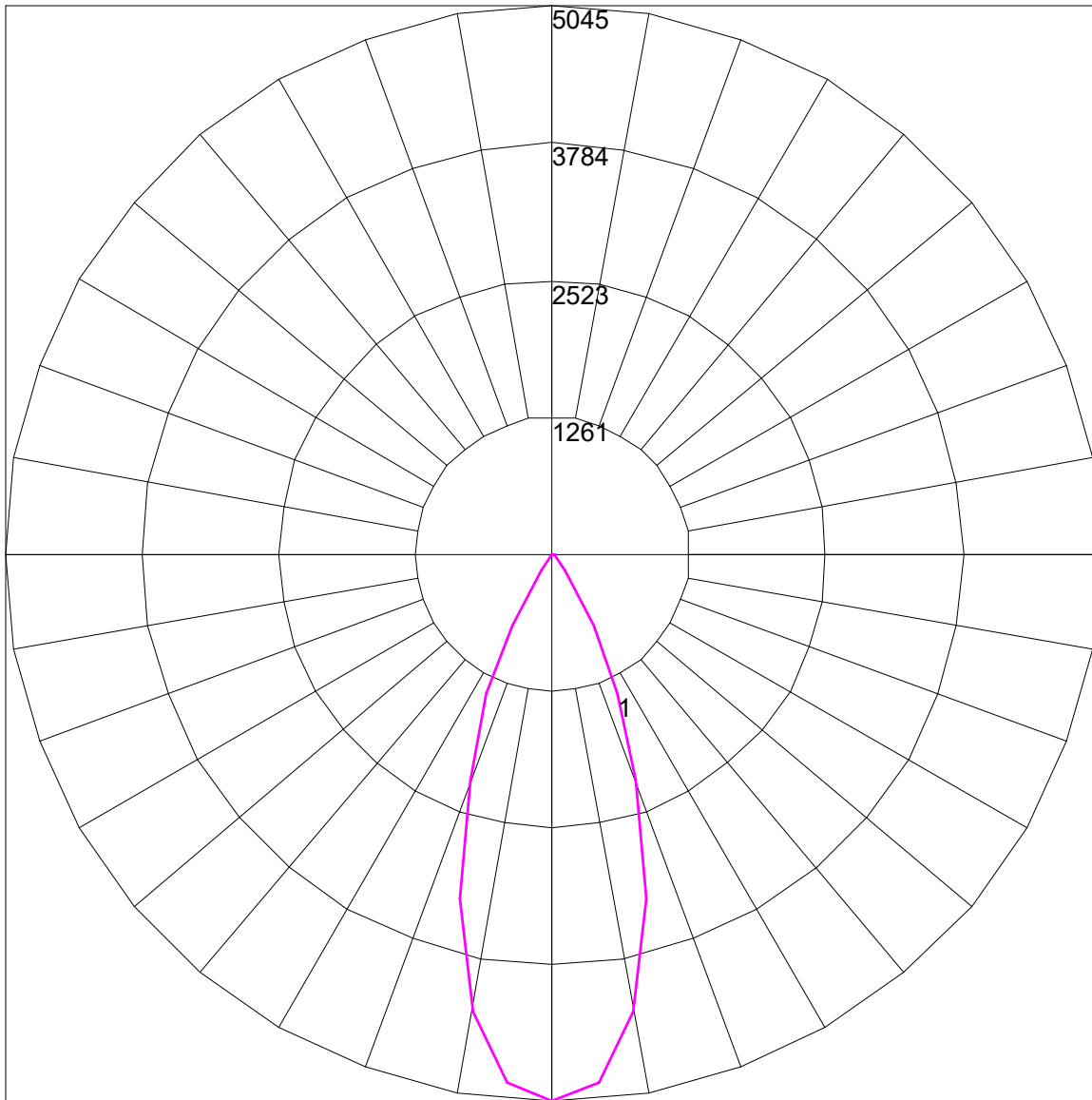
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	87	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69
9	84	77	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	81	74	69	66	81	73	69	66	72	68	65	72	68	65	71	68	65	64

POLAR GRAPH



Maximum Candela = 5045.085 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)