

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-30LXXK-NDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-0056_3_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 6/5/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-30L-xxK-ND-EX-SO-xx-MW
 [OTHER] Matte White finish, Solite lens
 [OTHER] 19.9 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	2110
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.34
Spacing Criterion (90-270)	0.34
Spacing Criterion (Diagonal)	0.38
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	7047	7304	8148
55	1780	1538	1398
65	949	986	768
75	883	1344	1108
85	3416	2407	2555

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-30LXXK-NDEX-SOXXMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	10407.474	10407.474	10407.474	10407.474	10407.474
5	8696.520	8510.058	8693.274	8556.744	8636.796
10	5075.458	5178.134	5133.084	5131.858	5133.864
15	2522.470	2655.490	2615.216	2596.701	2631.952
20	1349.996	1416.174	1411.482	1384.334	1423.625
25	834.428	869.450	868.366	866.321	876.498
30	478.433	492.331	502.261	508.977	510.627
35	213.603	201.058	224.103	220.055	229.550
40	77.012	69.210	77.769	78.487	84.685
45	25.558	23.752	26.488	27.319	29.548
50	10.350	8.469	10.157	10.396	9.443
55	5.236	4.936	4.525	7.021	4.112
60	3.106	2.543	2.463	3.597	2.297
65	2.056	1.595	2.138	2.473	1.665
70	1.975	1.498	1.759	1.792	1.530
75	1.172	1.471	1.784	1.869	1.471
80	1.451	1.528	0.875	1.572	1.614
85	1.527	1.365	1.076	1.735	1.142
90	1.302	0.568	1.255	0.578	1.708

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-30LXXK-NDEX-SOXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1509.12	N.A.	71.50
0-30	1919.31	N.A.	90.90
0-40	2073.71	N.A.	98.30
0-60	2105.17	N.A.	99.80
0-80	2108.95	N.A.	99.90
0-90	2110.35	N.A.	100.00
10-90	1391.38	N.A.	65.90
20-40	564.58	N.A.	26.80
20-50	590.90	N.A.	28.00
40-70	33.58	N.A.	1.60
60-80	3.78	N.A.	0.20
70-80	1.67	N.A.	0.10
80-90	1.39	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	2110.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	718.96
10-20	790.16
20-30	410.18
30-40	154.40
40-50	26.32
50-60	5.14
60-70	2.12
70-80	1.67
80-90	1.39
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

IES INDOOR REPORT

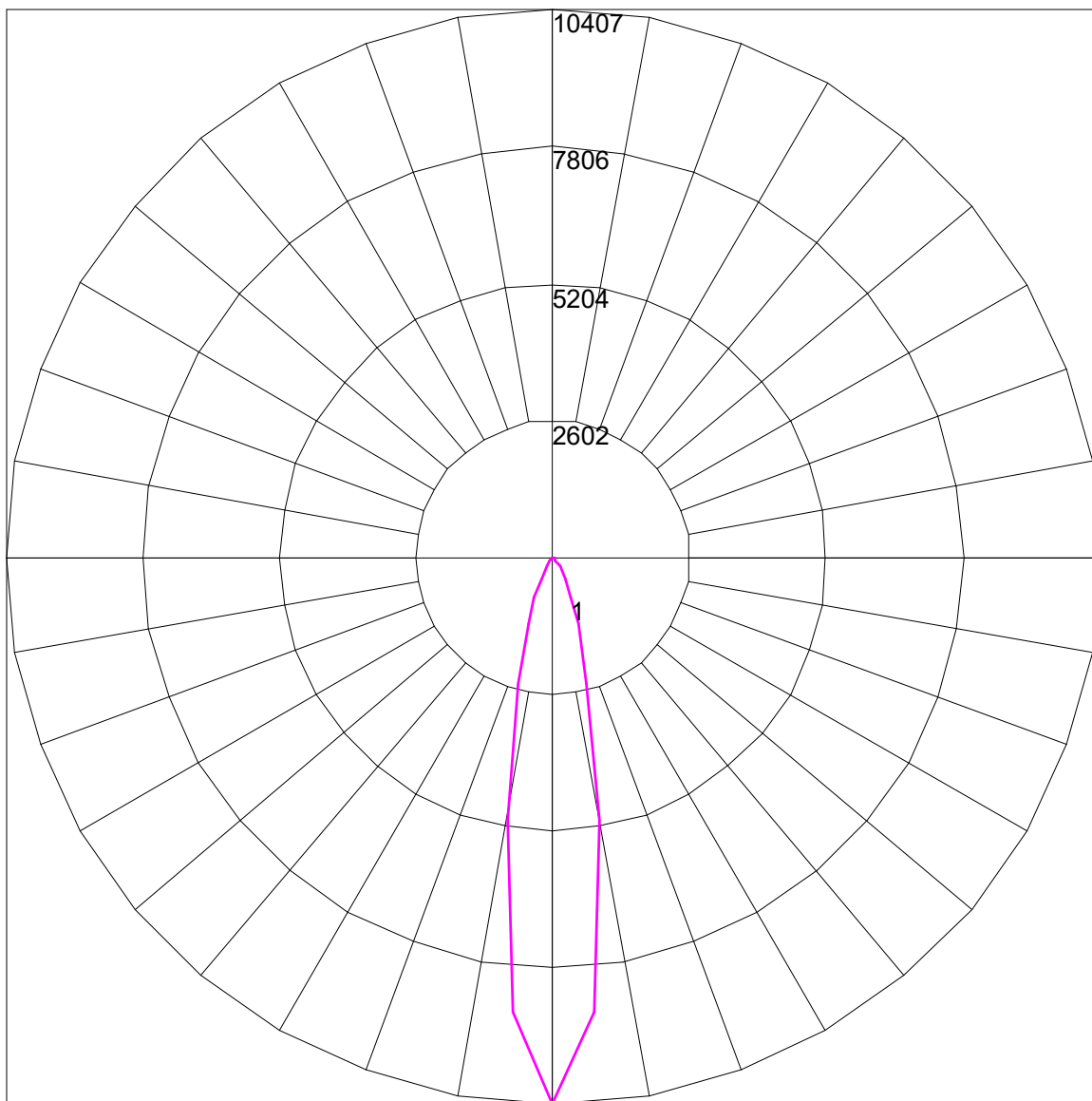
PHOTOMETRIC FILENAME : SP-00567_3 ~ C0412XT-30LXXK-NDEX-SOXXMW.IES

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	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93	96	94	92	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	88	86	84	83
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	80	78	77
8	91	84	80	77	90	84	80	77	83	79	76	82	79	76	81	78	76	75
9	89	81	77	74	88	81	77	74	80	77	74	79	76	74	79	76	73	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70

POLAR GRAPH



Maximum Candela = 10407.474 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)