

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00567_14 ~ C0412XT-30LXXK-XWEX-NLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_14_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, Xtra Wide Beam
 [LUMCAT] C0412XT-30L-xxK-XW-EX-NL-xx-MW
 [OTHER] Matte White finish, No lens
 [OTHER] 53 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	2119
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)	0.86
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.80
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	7128	8025	9461
55	452	632	452
65	378	427	496
75	651	832	723
85	2239	1568	2060

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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	2976.135	2976.135	2976.135	2976.135	2976.135
5	2903.923	2928.723	2931.161	2943.520	2936.936
10	2749.365	2781.520	2779.907	2819.056	2798.710
15	2543.275	2573.277	2567.092	2612.200	2602.903
20	2222.301	2261.527	2243.540	2311.198	2297.296
25	1706.099	1757.766	1737.503	1822.874	1816.093
30	985.764	1054.380	1025.503	1142.644	1138.968
35	339.541	384.417	387.478	431.580	443.966
40	99.807	112.243	112.863	127.076	126.695
45	25.850	30.418	29.102	35.813	34.311
50	4.364	4.913	5.349	5.959	5.980
55	1.330	1.228	1.858	1.724	1.330
60	1.169	1.072	1.318	1.034	1.273
65	0.819	0.955	0.925	0.736	1.075
70	0.974	0.991	0.611	0.754	1.288
75	0.864	1.160	1.104	0.669	0.960
80	1.060	1.107	1.439	1.010	1.108
85	1.001	0.908	0.701	1.223	0.921
90	1.358	0.422	0.899	0.458	0.810

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Zone	Lumens	%Lamp	%Fixt
0-20	993.52	N.A.	46.90
0-30	1776.65	N.A.	83.80
0-40	2079.07	N.A.	98.10
0-60	2115.96	N.A.	99.90
0-80	2117.95	N.A.	100.00
0-90	2118.98	N.A.	100.00
10-90	1843.75	N.A.	87.00
20-40	1085.56	N.A.	51.20
20-50	1120.32	N.A.	52.90
40-70	37.83	N.A.	1.80
60-80	1.99	N.A.	0.10
70-80	1.05	N.A.	0.00
80-90	1.03	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	2118.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	275.23
10-20	718.29
20-30	783.13
30-40	302.42
40-50	34.77
50-60	2.12
60-70	0.95
70-80	1.05
80-90	1.03
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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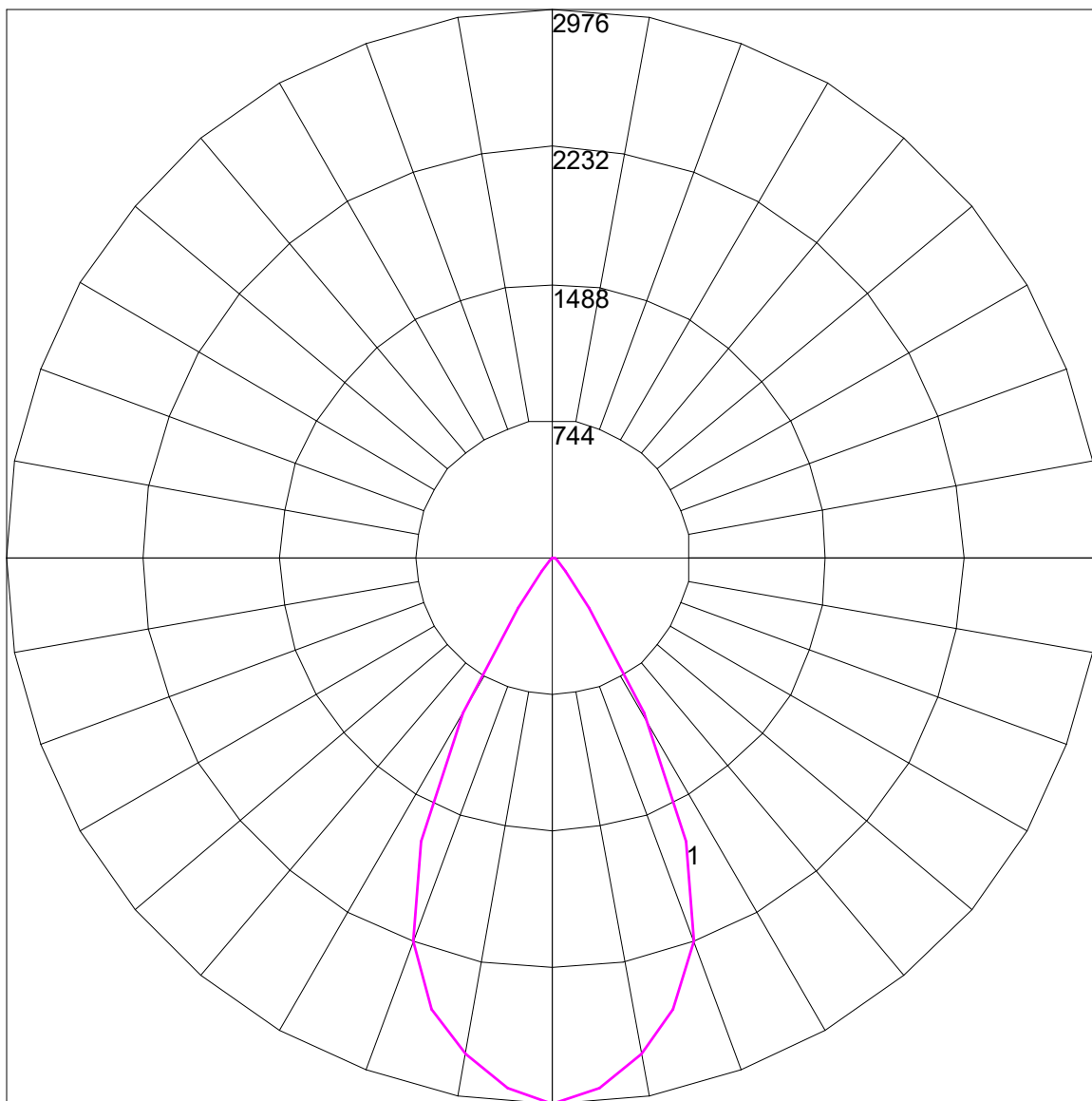
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	105	101	98	107	103	99	97	100	97	95	97	94	93	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	99	93	88	84	98	92	87	83	89	85	82	87	84	81	86	83	80	79
5	95	87	82	78	94	87	82	78	85	81	77	83	80	77	82	79	76	75
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67
8	83	74	69	65	82	74	69	65	73	68	65	72	68	65	71	67	64	63
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	76	67	62	59	75	67	62	58	66	62	58	65	61	58	65	61	58	57

POLAR GRAPH



Maximum Candela = 2976.135 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)