

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00567_1 ~ C0412XT-40LXXK-NDEX-GLXXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00567_1_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2017
 [UPDATE] 5/31/2017
 [LUMINAIRE] Nom.4" Diam. x 11.5"H. LED Cylinder XT Series, Narrow Beam
 [LUMCAT] C0412XT-40L-xxK-ND-EX-GL-xx-MW
 [OTHER] Matte White finish, Clear glass lens
 [OTHER] 17.5 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	2969
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.32
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.34
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	1800	1383	2029
55	804	600	486
65	563	692	796
75	689	728	458
85	1870	2933	2566

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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	18371.731	18371.731	18371.731	18371.731	18371.731
5	14506.770	14628.344	14492.824	14541.049	14379.912
10	7447.449	7532.201	7492.596	7510.952	7342.580
15	3207.944	3286.240	3300.524	3301.336	3216.994
20	1646.450	1711.489	1733.219	1726.101	1682.582
25	1167.146	1177.081	1202.605	1206.544	1195.318
30	741.750	744.953	751.533	755.345	758.493
35	206.223	200.212	204.846	204.723	226.188
40	13.944	12.716	13.819	16.238	21.830
45	6.527	6.412	5.017	8.057	7.358
50	2.655	2.909	2.938	2.671	2.157
55	2.366	1.723	1.765	3.393	1.429
60	2.097	2.385	1.575	2.615	1.805
65	1.221	1.955	1.499	1.689	1.726
70	1.424	0.904	1.038	1.426	2.027
75	0.915	1.230	0.966	0.863	0.608
80	1.184	0.752	0.925	1.136	1.161
85	0.836	0.636	1.311	1.178	1.147
90	0.827	0.952	1.365	1.006	1.687

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Zone	Lumens	%Lamp	%Fixt
0-20	2229.52	N.A.	75.10
0-30	2779.55	N.A.	93.60
0-40	2957.46	N.A.	99.60
0-60	2965.45	N.A.	99.90
0-80	2968.21	N.A.	100.00
0-90	2969.36	N.A.	100.00
10-90	1788.74	N.A.	60.20
20-40	727.94	N.A.	24.50
20-50	733.86	N.A.	24.70
40-70	9.65	N.A.	0.30
60-80	2.77	N.A.	0.10
70-80	1.10	N.A.	0.00
80-90	1.15	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	2969.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1180.62
10-20	1048.9
20-30	550.04
30-40	177.91
40-50	5.92
50-60	2.07
60-70	1.66
70-80	1.10
80-90	1.15
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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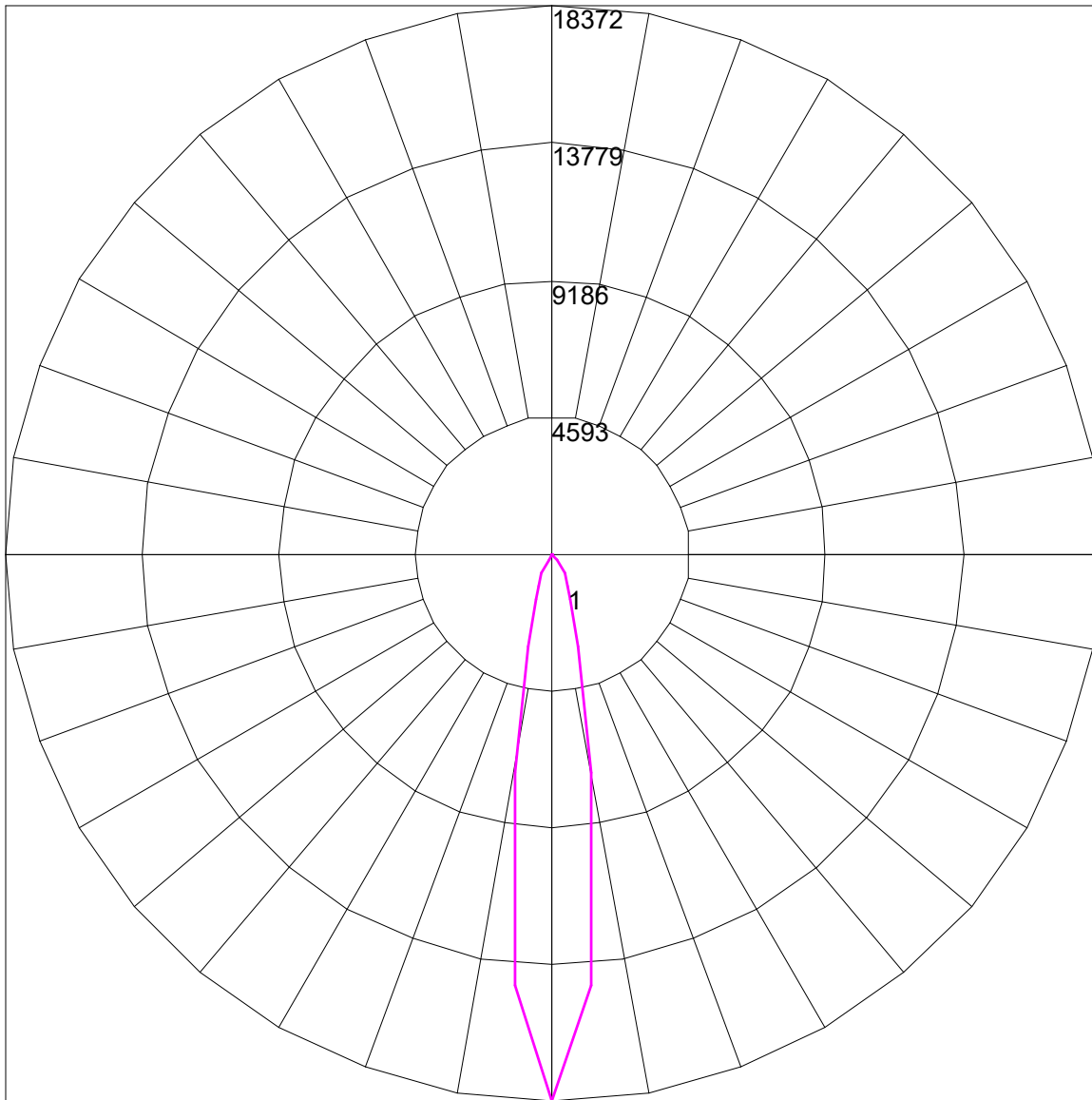
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	101	96	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
9	91	84	80	77	90	84	80	77	83	79	77	82	79	77	81	79	77	76
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	80	77	75	74

POLAR GRAPH



Maximum Candela = 18371.731 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)