

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_11 ~ C0812YKXT-30LXXK-WDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_11
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 4/2/2018
[LUMCAT] C0812YKXT-30L-xxK-WD-EX-TSG-SO
[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight
[OTHER] Upper Internal Reflector, Wide Beam
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
[OTHER] Solite Lens, Regressed in Lower Trim
[OTHER] 45.6 Degree Beam Angle
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2382
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	0.76
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.68 ft (Diameter)
Luminous Width (90-270)	0.68 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4347	4519	3845
55	482	524	485
65	123	104	103
75	147	148	161
85	515	643	615

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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	3682.671	3682.671	3682.671	3682.671	3682.671
5	3557.181	3574.674	3544.371	3548.484	3507.642
10	3212.464	3237.160	3197.954	3206.633	3134.881
15	2687.524	2724.716	2679.500	2693.355	2597.527
20	2123.958	2152.868	2115.776	2122.565	2037.296
25	1617.081	1645.645	1614.133	1620.620	1546.851
30	1154.492	1183.359	1148.116	1162.741	1091.509
35	706.490	727.895	701.577	702.844	646.347
40	332.846	351.414	330.763	333.712	292.119
45	102.286	95.025	106.333	88.123	90.484
50	31.756	29.581	29.866	28.940	29.625
55	9.204	7.730	9.995	8.723	9.262
60	2.255	1.788	2.393	2.101	2.019
65	1.723	1.329	1.462	1.187	1.446
70	1.622	1.101	1.449	1.447	1.122
75	1.267	1.288	1.276	1.537	1.388
80	1.623	0.957	1.485	1.056	1.258
85	1.493	1.897	1.864	2.326	1.785
90	1.408	0.502	1.199	0.589	1.254

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Zone	Lumens	%Lamp	%Fixt
0-20	1073.23	N.A.	45.10
0-30	1815.34	N.A.	76.20
0-40	2261.28	N.A.	94.90
0-60	2377.1	N.A.	99.80
0-80	2380.04	N.A.	99.90
0-90	2381.68	N.A.	100.00
10-90	2053.61	N.A.	86.20
20-40	1188.06	N.A.	49.90
20-50	1292.91	N.A.	54.30
40-70	117.36	N.A.	4.90
60-80	2.94	N.A.	0.10
70-80	1.40	N.A.	0.10
80-90	1.64	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	2381.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	328.07
10-20	745.16
20-30	742.11
30-40	445.94
40-50	104.86
50-60	10.96
60-70	1.54
70-80	1.40
80-90	1.64
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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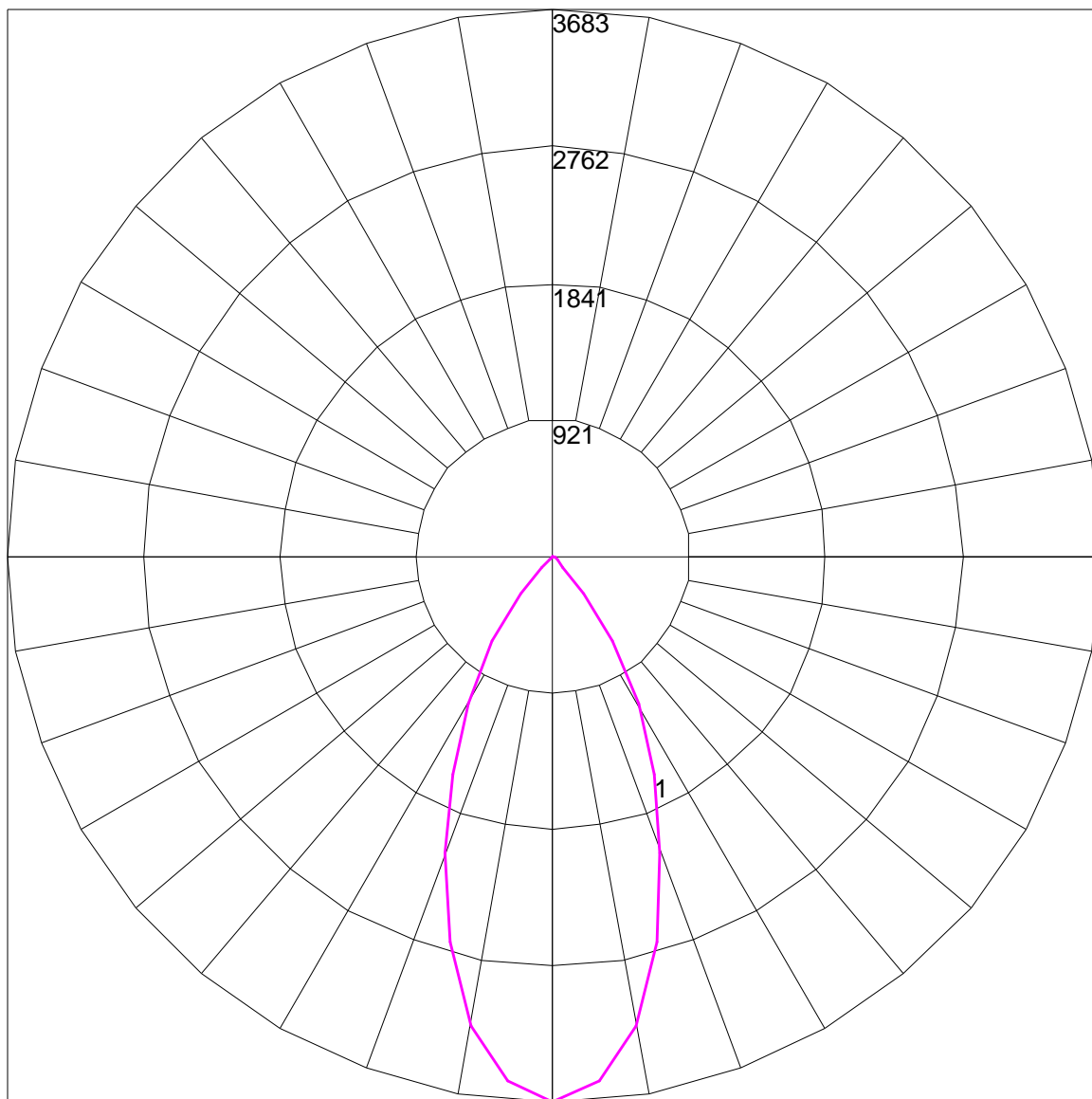
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88
3	103	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	84	82	79	78
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	71	67	84	76	71	67	75	70	67	74	70	66	73	69	66	65
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

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POLAR GRAPH



Maximum Candela = 3682.671 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)