

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

IESNA:LM-63-2002
[TEST] SP-00652
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-30L-xxK-MD-EX-TSG-FG
[LUMINAIRE] Nom. 8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight
[OTHER] Upper, Internal Reflector, Medium Beam
[OTHER] Lower Trim, Semi-Diffuse Clear Anodized Alum.
[OTHER] Frosted Glass Lens, Regressed in Lower Trim
[OTHER] 50.2 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	2104
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)	0.78
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652 ~ C0812YKXT-30LXXK-MDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10000	10046	9078
55	1745	1712	1629
65	130	135	136
75	203	143	161
85	463	394	575

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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	2633.524	2633.524	2633.524	2633.524	2633.524
5	2554.750	2560.257	2549.126	2539.127	2505.814
10	2335.248	2347.977	2327.993	2321.890	2266.382
15	2025.241	2047.093	2019.447	2017.536	1949.957
20	1674.828	1706.757	1679.606	1681.914	1608.543
25	1321.513	1356.622	1339.430	1343.447	1273.512
30	989.485	1023.139	1016.087	1020.580	958.816
35	697.214	732.011	724.505	731.753	679.077
40	448.756	477.501	464.079	476.326	427.947
45	235.289	248.239	236.385	242.586	213.611
50	93.344	97.517	92.420	96.012	85.788
55	33.314	35.876	32.673	36.427	31.085
60	7.839	9.621	8.036	9.792	7.609
65	1.827	2.370	1.902	1.840	1.919
70	1.412	1.573	1.321	1.109	1.799
75	1.747	1.213	1.232	1.332	1.383
80	1.183	1.582	1.173	1.728	1.669
85	1.342	1.467	1.142	1.734	1.668
90	0.940	1.290	1.022	1.020	1.593

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Zone	Lumens	%Lamp	%Fixt
0-20	798.25	N.A.	37.90
0-30	1410.6	N.A.	67.10
0-40	1862.4	N.A.	88.50
0-60	2097.25	N.A.	99.70
0-80	2102.21	N.A.	99.90
0-90	2103.72	N.A.	100.00
10-90	1867.62	N.A.	88.80
20-40	1064.16	N.A.	50.60
20-50	1261.18	N.A.	60.00
40-70	238.33	N.A.	11.30
60-80	4.95	N.A.	0.20
70-80	1.47	N.A.	0.10
80-90	1.51	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	2103.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	236.10
10-20	562.15
20-30	612.35
30-40	451.80
40-50	197.02
50-60	37.83
60-70	3.48
70-80	1.47
80-90	1.51
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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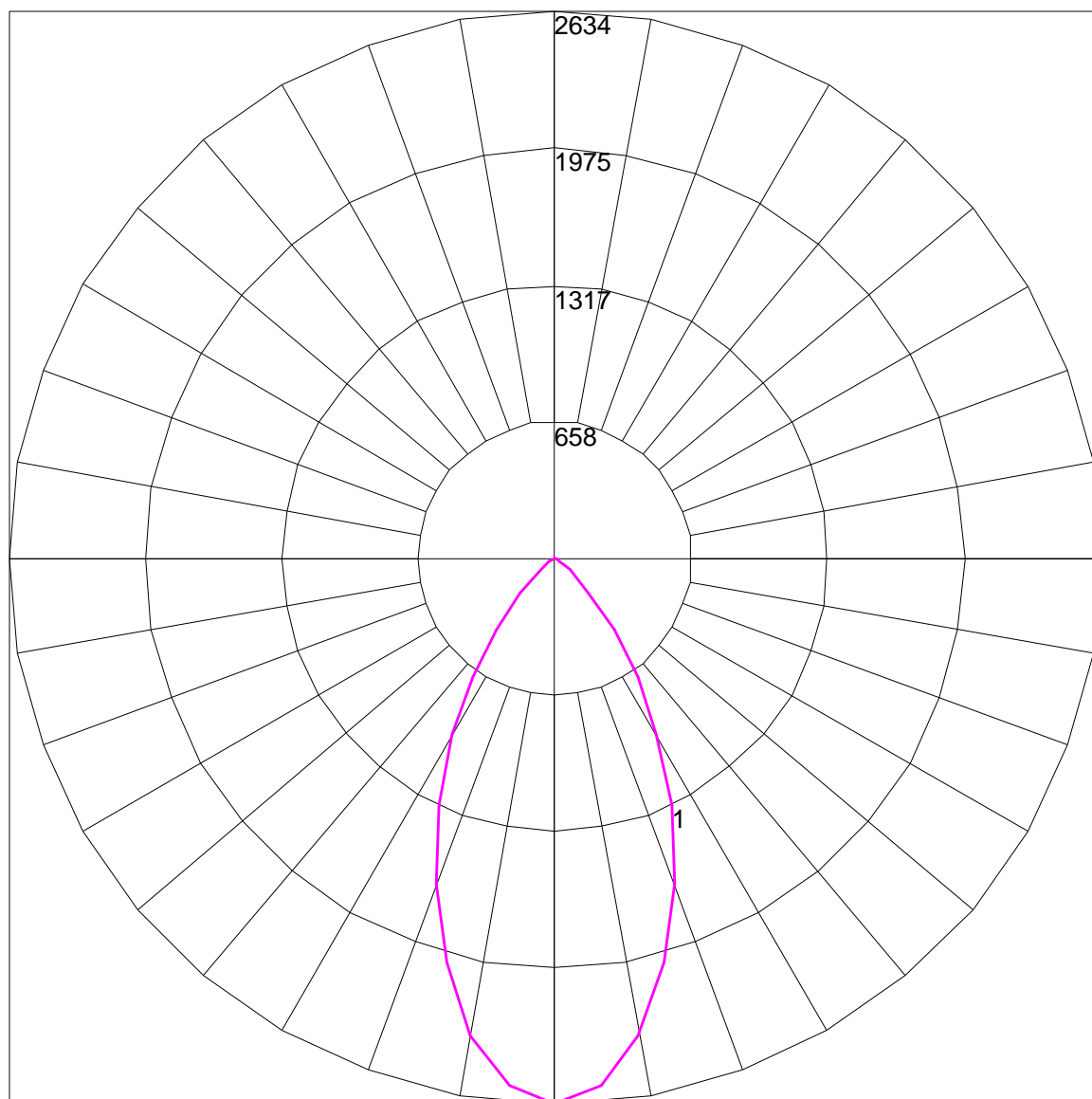
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	73	80	76	72	79	75	71	77	74	71	69
6	87	78	72	67	85	77	71	67	76	71	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	59	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53
10	71	61	55	52	70	61	55	51	60	55	51	59	54	51	59	54	51	50

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POLAR GRAPH



Maximum Candela = 2633.524 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)