

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_3 ~ C0812YKXT-20LXXK-MDEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00652_3_20L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/30/2018
[LUMCAT] C0812YKXT-20L-xxK-MD-EX-TSG-SO
[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 Aluminum
[OTHER] Solite Lens, Regressed in Lower Trim
[OTHER] 38.8 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, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1575
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.68
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	2167	2259	1928
55	215	196	187
65	65	74	88
75	93	71	140
85	332	464	297

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2943.026	2943.026	2943.026	2943.026	2943.026
5	2776.682	2790.202	2770.171	2772.494	2725.984
10	2385.998	2408.290	2378.045	2387.395	2312.332
15	1886.710	1916.397	1877.200	1892.747	1809.388
20	1412.513	1442.093	1403.023	1420.268	1349.053
25	1024.437	1047.004	1016.844	1031.198	976.203
30	699.124	717.747	689.255	702.196	658.161
35	411.729	421.441	399.027	408.844	374.748
40	182.428	194.460	178.076	188.812	161.133
45	50.986	53.229	53.143	54.393	45.372
50	11.727	12.231	11.867	11.928	9.807
55	4.103	3.135	3.740	3.486	3.562
60	1.612	1.720	1.371	1.079	1.771
65	0.911	1.169	1.038	1.039	1.241
70	0.847	1.009	1.016	0.801	1.178
75	0.801	1.231	0.610	0.898	1.207
80	0.956	1.267	1.073	0.983	0.873
85	0.962	1.050	1.346	1.103	0.862
90	0.703	0.563	0.847	0.569	1.222

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	777.13	N.A.	49.30
0-30	1250.32	N.A.	79.40
0-40	1510.95	N.A.	95.90
0-60	1571.95	N.A.	99.80
0-80	1574.11	N.A.	99.90
0-90	1575.2	N.A.	100.00
10-90	1322.6	N.A.	84.00
20-40	733.82	N.A.	46.60
20-50	790.34	N.A.	50.20
40-70	62.14	N.A.	3.90
60-80	2.16	N.A.	0.10
70-80	1.03	N.A.	0.10
80-90	1.09	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	1575.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	252.61
10-20	524.52
20-30	473.20
30-40	260.62
40-50	56.53
50-60	4.47
60-70	1.14
70-80	1.03
80-90	1.09
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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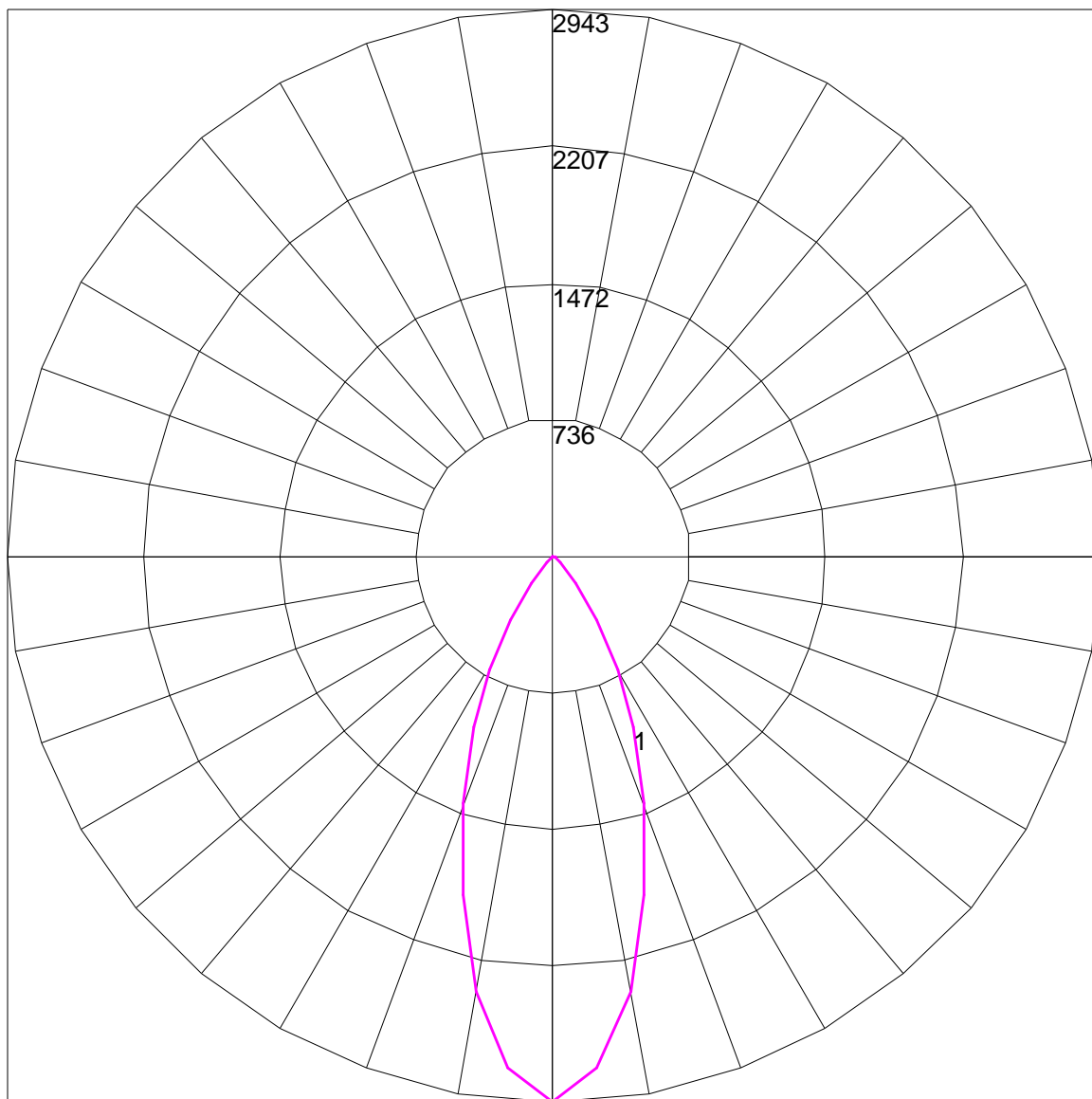
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 2943.026 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)