

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00652_2 ~ C0812YKXT-30LXXK-MDEX-TSG-NL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00652_2
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/30/2018
 [LUMCAT] C0812YKXT-30L-xxK-MD-EX-TSG-NL
 [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] No Lens
 [OTHER] 37.7 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	2581
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.62
Spacing Criterion (90-270)	0.60
Spacing Criterion (Diagonal)	0.66
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	2000	2096	1415
55	164	246	160
65	110	134	100
75	176	175	178
85	718	457	506

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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	4946.140	4946.140	4946.140	4946.140	4946.140
5	4685.585	4718.861	4679.137	4701.010	4613.141
10	4005.711	4072.774	4006.135	4051.847	3894.517
15	3115.447	3188.126	3121.286	3173.846	3005.275
20	2280.246	2344.485	2291.472	2333.714	2196.632
25	1640.832	1686.297	1650.921	1676.864	1579.178
30	1163.602	1197.036	1165.276	1179.366	1088.197
35	687.486	734.068	688.584	707.632	601.168
40	243.230	287.756	250.762	271.602	195.029
45	47.048	41.808	49.310	44.248	33.302
50	9.696	11.654	12.405	11.296	8.077
55	3.139	4.172	4.696	4.100	3.058
60	1.729	2.098	2.357	1.870	1.666
65	1.552	1.816	1.880	1.627	1.412
70	2.033	1.720	1.567	1.322	1.792
75	1.515	1.563	1.509	1.969	1.537
80	1.518	1.523	1.421	1.957	1.354
85	2.083	1.594	1.325	1.621	1.468
90	1.191	0.839	1.431	0.905	1.921

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Zone	Lumens	%Lamp	%Fixt
0-20	1299.31	N.A.	50.30
0-30	2071.68	N.A.	80.30
0-40	2504.32	N.A.	97.00
0-60	2575.86	N.A.	99.80
0-80	2579.32	N.A.	99.90
0-90	2580.94	N.A.	100.00
10-90	2154.29	N.A.	83.50
20-40	1205.01	N.A.	46.70
20-50	1271.88	N.A.	49.30
40-70	73.29	N.A.	2.80
60-80	3.46	N.A.	0.10
70-80	1.72	N.A.	0.10
80-90	1.62	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	2580.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	426.65
10-20	872.66
20-30	772.37
30-40	432.64
40-50	66.87
50-60	4.67
60-70	1.74
70-80	1.72
80-90	1.62
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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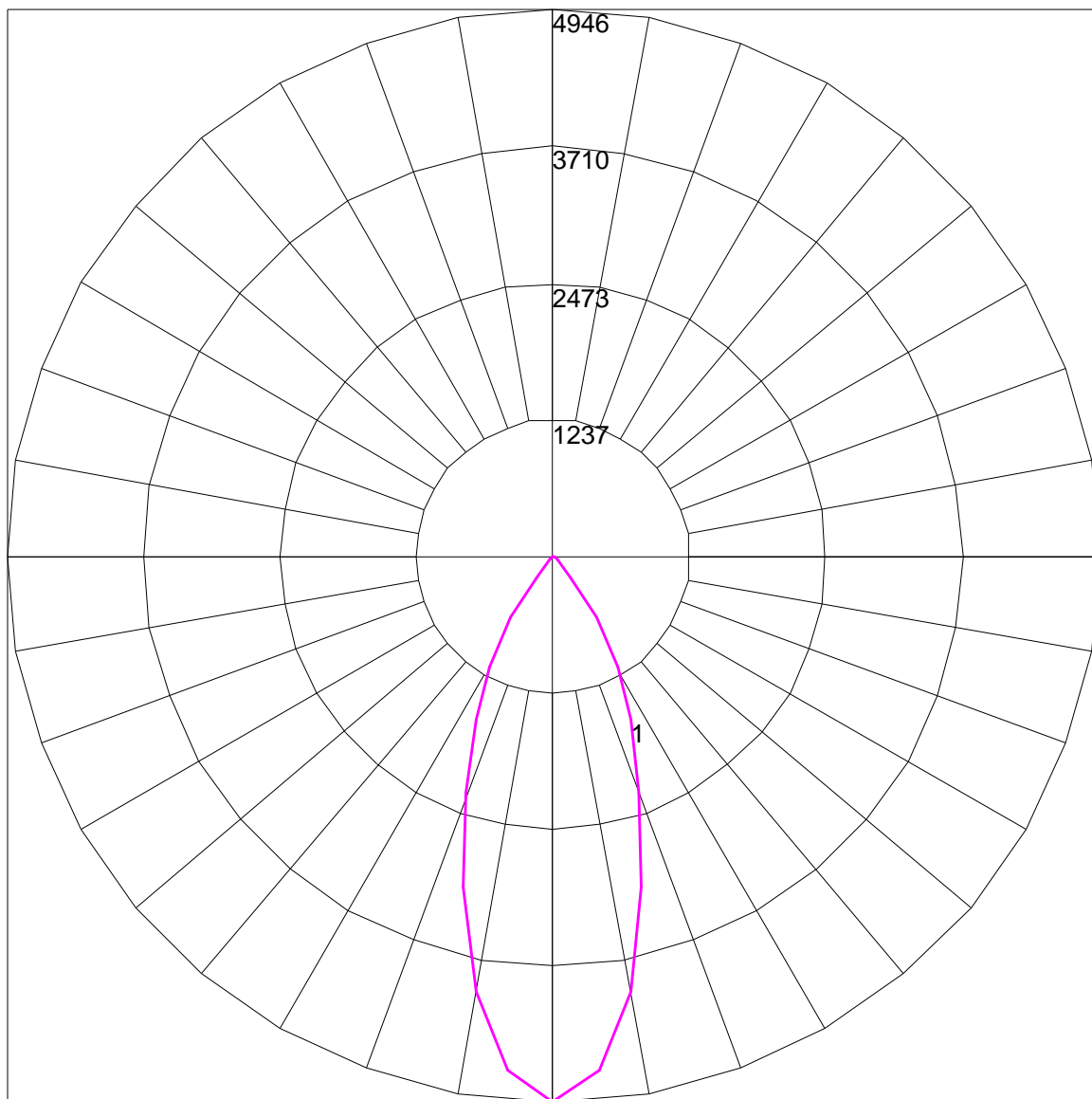
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 4946.14 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)