

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00652_7 ~ C0812YKXT-30LXXK-NDEX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00652_7
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/29/2017
 [UPDATE] 3/30/2018
 [LUMCAT] C0812YKXT-30L-xxK-ND-EX-TSG-SO
 [LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight
 [OTHER] Data applicable to: 12"H and 18" H Cylinders
 [OTHER] Upper, Internal Reflector, Narrow Beam
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
 [OTHER] Solite Lens, Regressed in Lower Trim
 [OTHER] 23.1 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	2703
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.44
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	1913	2206	1575
55	108	125	138
65	72	63	146
75	136	186	169
85	423	805	513

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_7 ~ C0812YKXT-30LXXK-NDEX-TSG-SO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	9372.601	9372.601	9372.601	9372.601	9372.601
5	8060.375	8307.191	8247.294	8260.376	7858.178
10	5388.089	5714.826	5626.018	5706.186	5209.166
15	3136.618	3360.895	3274.010	3346.773	3014.202
20	1874.260	1984.189	1920.197	1964.192	1796.838
25	1262.785	1326.037	1285.933	1312.643	1218.697
30	887.658	937.874	912.008	934.696	865.469
35	549.982	592.876	572.052	592.457	533.888
40	228.392	257.712	244.623	262.451	216.784
45	45.009	54.705	51.915	55.111	37.052
50	4.152	5.162	6.066	6.714	4.690
55	2.056	2.497	2.386	2.632	2.642
60	1.580	1.341	1.610	0.982	1.705
65	1.015	1.169	0.885	1.804	2.054
70	1.291	1.341	1.365	2.043	0.705
75	1.167	0.867	1.600	1.660	1.459
80	1.711	1.643	1.139	1.736	1.184
85	1.228	1.476	2.335	2.410	1.489
90	0.935	0.403	2.095	0.503	1.741

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Zone	Lumens	%Lamp	%Fixt
0-20	1655.72	N.A.	61.30
0-30	2272.41	N.A.	84.10
0-40	2628.93	N.A.	97.30
0-60	2698.04	N.A.	99.80
0-80	2700.91	N.A.	99.90
0-90	2702.64	N.A.	100.00
10-90	1999.69	N.A.	74.00
20-40	973.21	N.A.	36.00
20-50	1039.68	N.A.	38.50
40-70	70.48	N.A.	2.60
60-80	2.87	N.A.	0.10
70-80	1.49	N.A.	0.10
80-90	1.74	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	2702.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	702.95
10-20	952.77
20-30	616.69
30-40	356.52
40-50	66.46
50-60	2.64
60-70	1.37
70-80	1.49
80-90	1.74
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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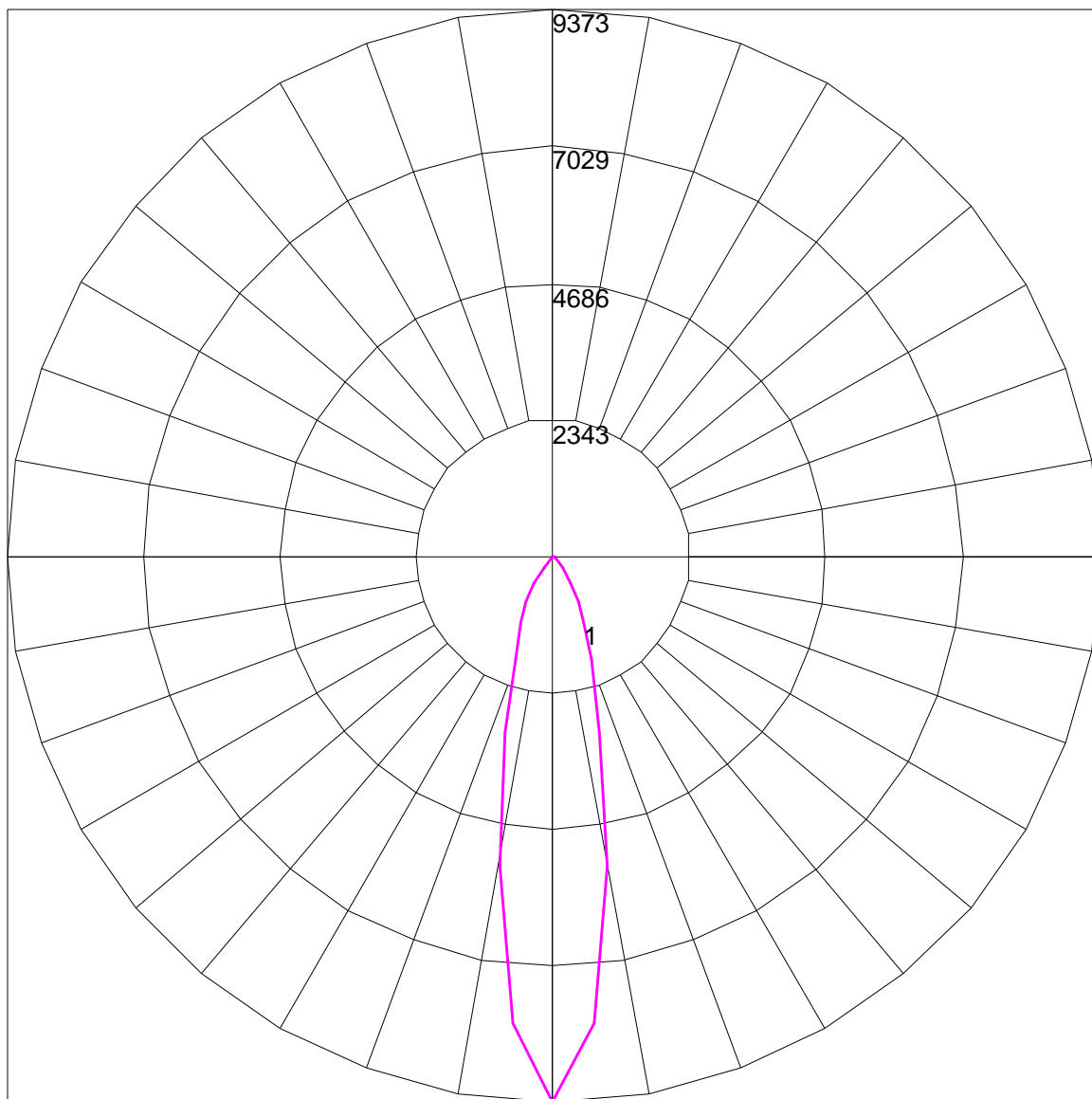
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	80	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67
10	82	74	69	66	81	73	69	66	73	68	65	72	68	65	71	68	65	64

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POLAR GRAPH



Maximum Candela = 9372.601 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)