

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00652_8 ~ C0812YKXT-13LXXK-WDEX-TSG-FG.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00652_8_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/30/2018
 [LUMCAT] C0812YKXT-13L-xxK-WD-EX-TSG-FG
 [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] Frosted Glass Lens, Regressed in Lower Trim
 [OTHER] 54.9 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	911
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.82
Spacing Criterion (Diagonal)	0.90
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_8 ~ C0812YKXT-13LXXK-WDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5078	5298	4863
55	1094	1185	1082
65	50	48	67
75	68	46	63
85	215	227	247

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_8 ~ C0812YKXT-13LXXK-WDEX-TSG-FG.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	987.964	987.964	987.964	987.964	987.964
5	969.467	971.186	968.616	968.267	960.142
10	905.922	910.524	907.647	907.563	893.646
15	806.799	815.681	811.243	813.464	794.591
20	687.587	700.798	695.310	700.017	677.712
25	557.567	574.594	572.408	577.673	554.824
30	428.602	446.375	447.943	453.576	431.301
35	311.459	329.186	330.682	336.136	316.719
40	209.848	225.306	223.526	229.953	211.399
45	119.479	127.289	124.664	128.896	114.419
50	53.067	56.524	55.490	57.602	51.220
55	20.883	23.598	22.617	24.037	20.660
60	5.398	6.807	6.147	7.113	5.522
65	0.708	0.877	0.677	1.160	0.945
70	0.530	0.649	0.481	0.642	0.539
75	0.587	0.663	0.399	0.534	0.539
80	0.647	0.774	0.799	0.762	0.605
85	0.624	0.789	0.658	0.812	0.716
90	0.625	0.617	0.441	0.502	0.576

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00652_8 ~ C0812YKXT-13LXXK-WDEX-TSG-FG.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	316.31	N.A.	34.70
0-30	577.38	N.A.	63.40
0-40	782.80	N.A.	86.00
0-60	907.10	N.A.	99.60
0-80	909.87	N.A.	99.90
0-90	910.62	N.A.	100.00
10-90	820.18	N.A.	90.10
20-40	466.50	N.A.	51.20
20-50	567.06	N.A.	62.30
40-70	126.44	N.A.	13.90
60-80	2.77	N.A.	0.30
70-80	0.63	N.A.	0.10
80-90	0.75	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	910.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	90.45
10-20	225.86
20-30	261.07
30-40	205.42
40-50	100.56
50-60	23.74
60-70	2.14
70-80	0.63
80-90	0.75
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00652_8 ~ C0812YKXT-13LXXK-WDEX-TSG-FG.IES

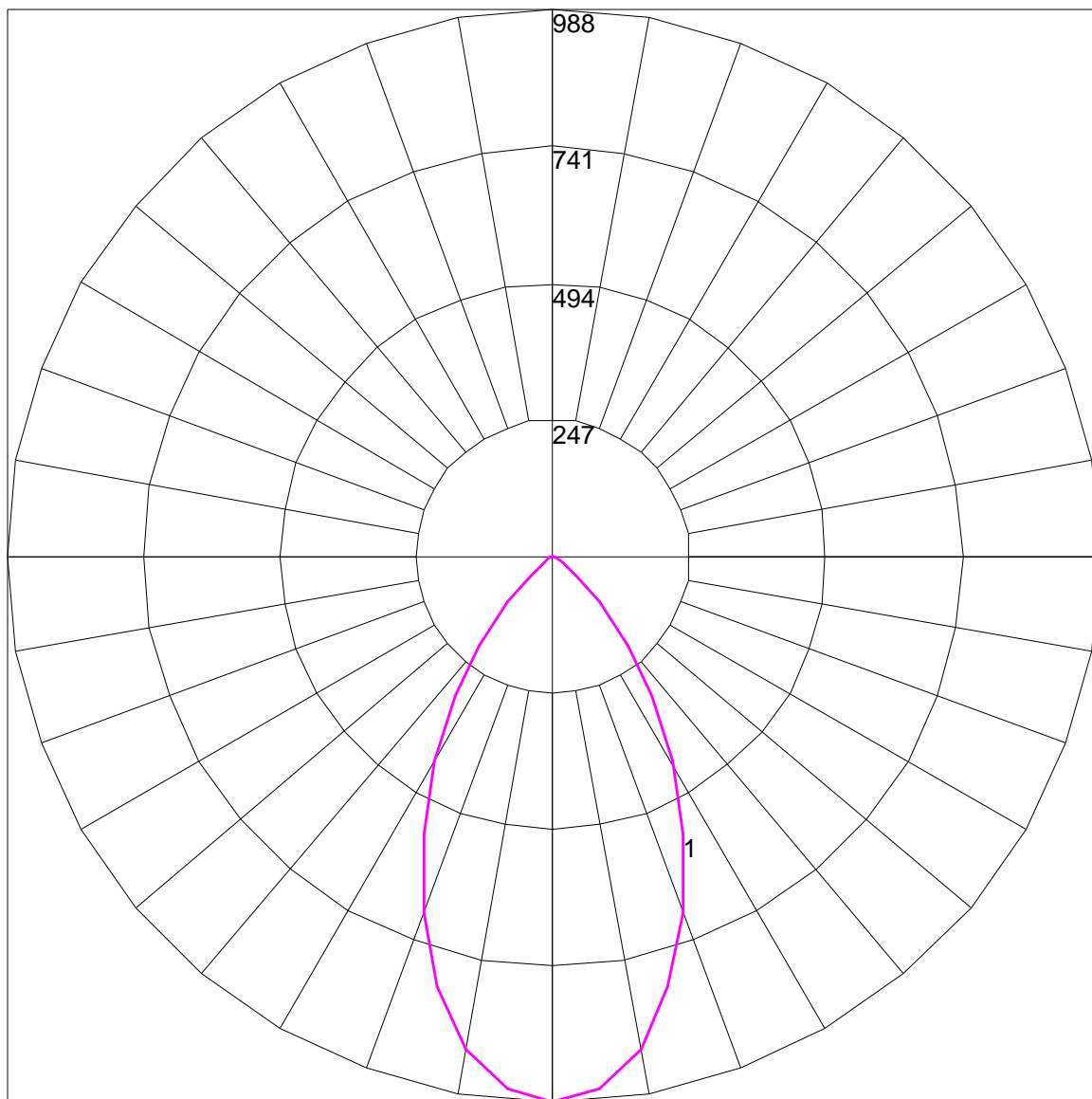
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	86
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62
7	81	71	65	61	80	71	65	61	69	64	60	68	63	60	67	63	60	58
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	56	54
9	73	63	57	53	72	63	57	53	62	56	52	61	56	52	60	55	52	51
10	70	59	53	49	68	59	53	49	58	53	49	57	52	49	57	52	49	47

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00652_8 ~ C0812YKXT-13LXXK-WDEX-TSG-FG.IES

POLAR GRAPH



Maximum Candela = 987.964 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)