

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00652\_6 ~ C0812YKXT-10LXXK-NDEX-TSG-NL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00652\_6\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 6/29/2017  
 [UPDATE] 3/30/2018  
 [LUMCAT] C0812YKXT-10L-xxK-ND-EX-TSG-NL  
 [LUMINAIRE] Nom. 8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight  
 [OTHER] Upper, Internal Reflector, Narrow Beam  
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
 [OTHER] No Lens  
 [OTHER] 21.4 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	946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.40
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\_6 ~ C0812YKXT-10LXXK-NDEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	220	320	69
55	29	29	30
65	31	39	45
75	54	63	59
85	226	127	182

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_6 ~ C0812YKXT-10LXXK-NDEX-TSG-NL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	3682.394	3682.394	3682.394	3682.394	3682.394
<b>5</b>	3142.087	3258.162	3230.016	3256.727	3081.859
<b>10</b>	1960.995	2116.460	2090.404	2145.593	1924.371
<b>15</b>	1031.405	1127.836	1112.175	1151.903	1012.315
<b>20</b>	585.858	627.238	613.667	634.394	573.517
<b>25</b>	402.610	420.523	410.473	419.556	391.976
<b>30</b>	308.625	321.167	314.959	321.020	298.002
<b>35</b>	205.269	216.346	212.788	218.208	191.212
<b>40</b>	71.394	80.370	75.815	78.313	62.520
<b>45</b>	5.178	9.765	7.526	9.324	1.628
<b>50</b>	0.824	0.667	0.688	0.490	0.631
<b>55</b>	0.552	0.528	0.557	0.370	0.572
<b>60</b>	0.367	0.535	0.467	0.488	0.608
<b>65</b>	0.434	0.483	0.548	0.707	0.639
<b>70</b>	0.573	0.359	0.470	0.357	0.317
<b>75</b>	0.467	0.558	0.539	0.478	0.504
<b>80</b>	0.540	0.504	0.686	0.386	0.440
<b>85</b>	0.655	0.597	0.368	0.349	0.527
<b>90</b>	0.510	0.253	0.518	0.221	0.450

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Zone	Lumens	%Lamp	%Fixt
0-20	601.61	N.A.	63.60
0-30	801.20	N.A.	84.70
0-40	926.57	N.A.	98.00
0-60	944.04	N.A.	99.80
0-80	945.07	N.A.	99.90
0-90	945.57	N.A.	100.00
10-90	673.95	N.A.	71.30
20-40	324.97	N.A.	34.40
20-50	341.96	N.A.	36.20
40-70	17.98	N.A.	1.90
60-80	1.02	N.A.	0.10
70-80	0.52	N.A.	0.10
80-90	0.50	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	945.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	271.62
10-20	329.99
20-30	199.59
30-40	125.38
40-50	16.99
50-60	0.48
60-70	0.51
70-80	0.52
80-90	0.50
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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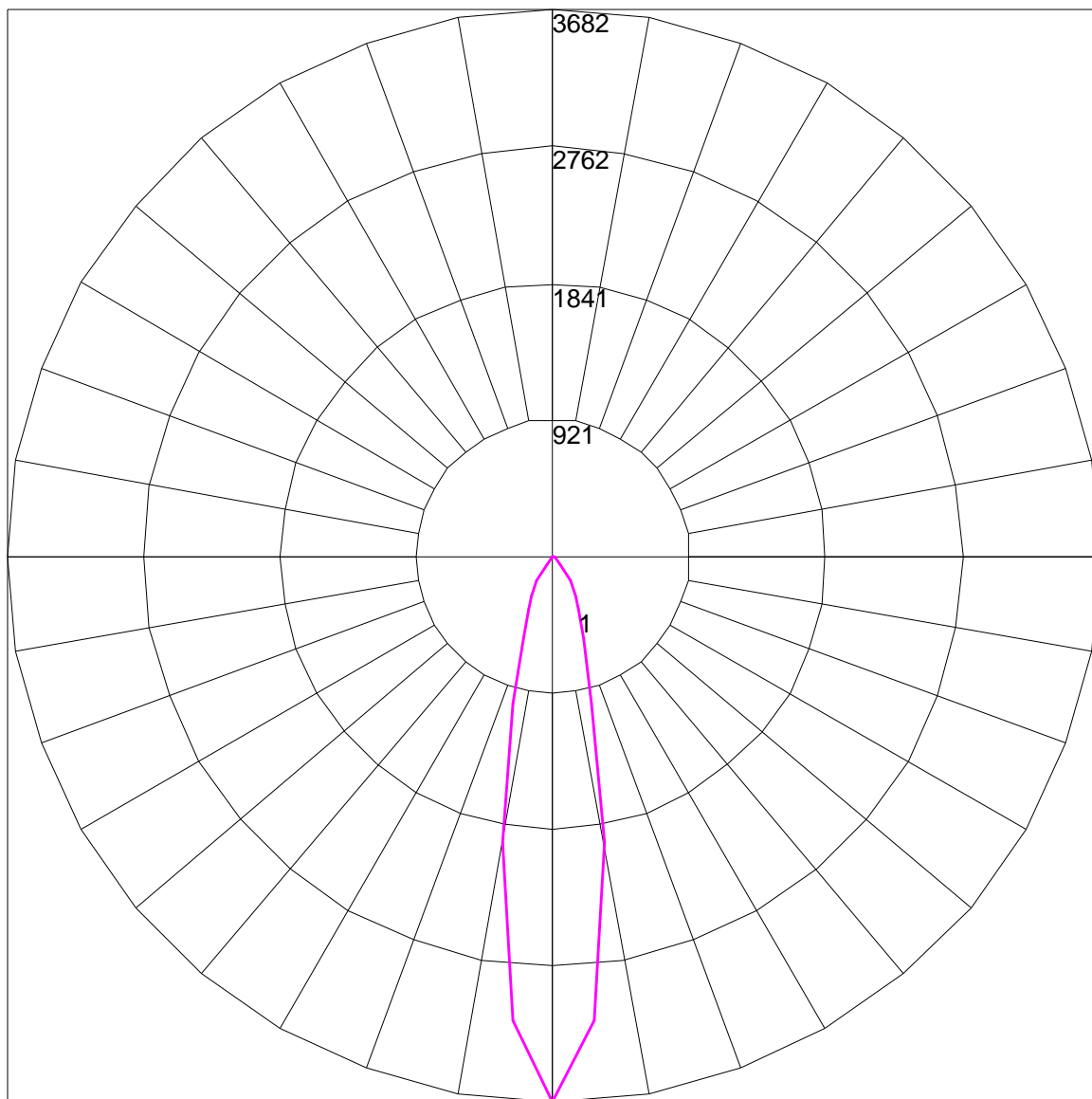
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91	95	92	90	92	90	88	87
4	102	96	91	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80
6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

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POLAR GRAPH



Maximum Candela = 3682.394 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)