

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-30LXXK-XWEX-TSG-NL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00652\_18  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 6/29/2017  
[UPDATE] 4/2/2018  
[LUMCAT] C0812YKXT-30L-xxK-XW-EX-TSG-NL  
[LUMINAIRE] Nom.8" Diam. x 12" H Adjustable Yoke LED Cylinder Downlight  
[OTHER] Upper Internal Reflector, Xtra Wide Beam  
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
[OTHER] No Lens  
[OTHER] 59.1 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	2685
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.90
Spacing Criterion (90-270)	0.88
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\_18 ~ C0812YKXT-30LXXK-XWEX-TSG-NL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5213	5381	4513
55	741	916	683
65	99	120	110
75	236	195	219
85	666	640	695

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-30LXXK-XWEX-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>	3105.768	3105.768	3105.768	3105.768	3105.768
<b>5</b>	3047.130	3048.206	3036.989	3044.345	3022.348
<b>10</b>	2898.718	2904.811	2881.020	2889.611	2850.546
<b>15</b>	2647.118	2661.476	2633.659	2651.143	2583.872
<b>20</b>	2304.274	2321.058	2298.696	2304.809	2248.589
<b>25</b>	1953.586	1989.745	1961.445	1977.138	1912.103
<b>30</b>	1527.078	1602.304	1557.445	1593.082	1482.888
<b>35</b>	955.580	1015.828	989.548	1010.262	902.389
<b>40</b>	407.628	428.158	433.487	440.643	371.001
<b>45</b>	122.667	117.864	126.614	117.257	106.193
<b>50</b>	49.240	55.068	55.179	51.464	44.569
<b>55</b>	14.139	15.349	17.476	15.470	13.045
<b>60</b>	2.230	2.898	2.895	2.521	2.320
<b>65</b>	1.399	1.752	1.684	1.358	1.540
<b>70</b>	1.771	1.324	1.516	1.363	1.594
<b>75</b>	2.029	1.210	1.680	1.829	1.884
<b>80</b>	1.323	1.518	1.937	1.884	1.724
<b>85</b>	1.932	1.962	1.855	1.285	2.016
<b>90</b>	1.732	0.834	1.575	0.783	1.680

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00652\_18 ~ C0812YKXT-30LXXK-XWEX-TSG-NL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1020.67	N.A.	38.00
0-30	1914.73	N.A.	71.30
0-40	2525.42	N.A.	94.10
0-60	2679.25	N.A.	99.80
0-80	2682.77	N.A.	99.90
0-90	2684.54	N.A.	100.00
10-90	2398.97	N.A.	89.40
20-40	1504.75	N.A.	56.10
20-50	1639.69	N.A.	61.10
40-70	155.62	N.A.	5.80
60-80	3.52	N.A.	0.10
70-80	1.73	N.A.	0.10
80-90	1.77	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	2684.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	285.57
10-20	735.10
20-30	894.07
30-40	610.69
40-50	134.94
50-60	18.89
60-70	1.79
70-80	1.73
80-90	1.77
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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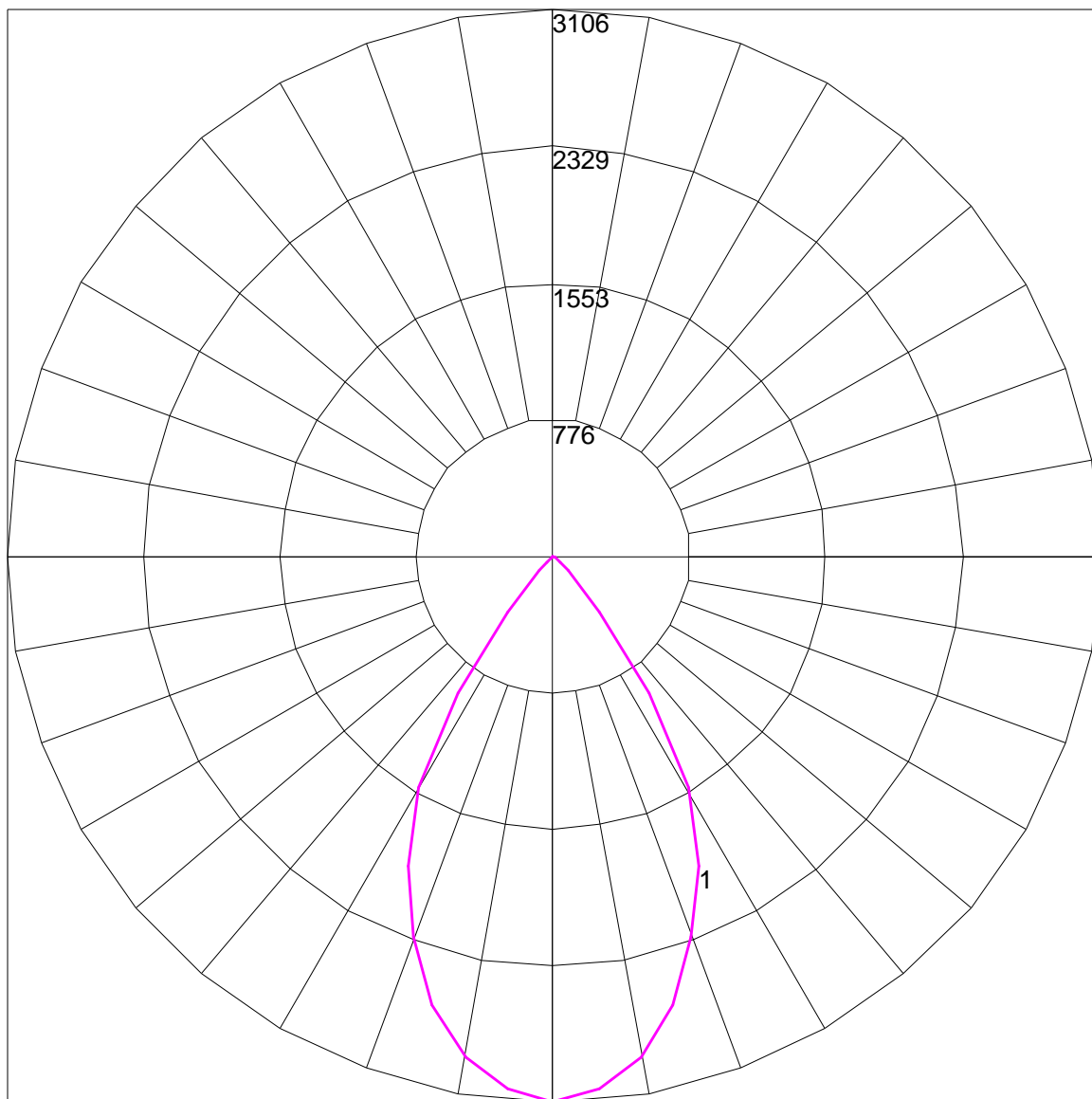
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	52	51

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POLAR GRAPH



Maximum Candela = 3105.768 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)