

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_1 ~ C08XXXT-30LXXK-MDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00592\_1  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUEDATE] 6/29/2017  
[UPDATE] 3/26/2018  
[LUMCAT] C08xxXT-30L-xxK-MD-EX-TSG-GL  
[LUMINAIRE] Nom. 8" Diam. LED Cylinder Downlight  
[OTHER] Data applicable to: 12"H and 18"H Cylinders  
[OTHER] Upper, Internal Reflector, Medium Beam  
[OTHER] Lower Trim, Semi-Diffuse Clear Anodized Alum.  
[OTHER] Clear Glass Lens, Regressed in Lower Trim  
[OTHER] 36.7 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	2451
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.60
Spacing Criterion (90-270)	0.58
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_1 ~ C08XXXT-30LXXK-MDEX-TSG-GL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1600	1722	1332
55	187	218	211
65	86	104	121
75	155	192	189
85	349	514	509

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SP-00592\_1 ~ C08XXXT-30LXXK-MDEX-TSG-GL.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>	4800.161	4800.161	4800.161	4800.161	4800.161
<b>5</b>	4522.795	4576.833	4545.216	4506.106	4455.397
<b>10</b>	3829.625	3946.407	3872.825	3833.579	3738.651
<b>15</b>	2940.229	3082.950	2996.074	2975.392	2872.676
<b>20</b>	2139.548	2257.143	2193.375	2184.981	2108.851
<b>25</b>	1538.193	1624.902	1583.919	1582.252	1529.026
<b>30</b>	1078.432	1147.203	1126.282	1111.909	1067.396
<b>35</b>	605.954	693.875	653.271	650.430	587.415
<b>40</b>	183.135	262.532	195.310	229.305	167.287
<b>45</b>	37.657	38.724	40.513	33.524	31.336
<b>50</b>	9.672	12.820	13.295	10.961	10.987
<b>55</b>	3.562	4.079	4.167	4.588	4.029
<b>60</b>	1.925	1.862	1.751	2.201	1.763
<b>65</b>	1.215	1.541	1.463	1.383	1.707
<b>70</b>	1.633	1.391	1.787	2.145	1.054
<b>75</b>	1.331	1.617	1.652	1.576	1.630
<b>80</b>	0.796	2.008	1.366	1.061	1.284
<b>85</b>	1.011	1.666	1.492	1.257	1.477
<b>90</b>	0.921	0.431	1.016	0.520	1.144

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_1 ~ C08XXXT-30LXXK-MDEX-TSG-GL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1244.84	N.A.	50.80
0-30	1981.5	N.A.	80.80
0-40	2385.32	N.A.	97.30
0-60	2446.77	N.A.	99.80
0-80	2450.02	N.A.	99.90
0-90	2451.37	N.A.	100.00
10-90	2039.75	N.A.	83.20
20-40	1140.48	N.A.	46.50
20-50	1197.05	N.A.	48.80
40-70	63.07	N.A.	2.60
60-80	3.25	N.A.	0.10
70-80	1.64	N.A.	0.10
80-90	1.35	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	2451.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	411.62
10-20	833.22
20-30	736.67
30-40	403.81
40-50	56.57
50-60	4.88
60-70	1.61
70-80	1.64
80-90	1.35
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-00592\_1 ~ C08XXXT-30LXXK-MDEX-TSG-GL.IES

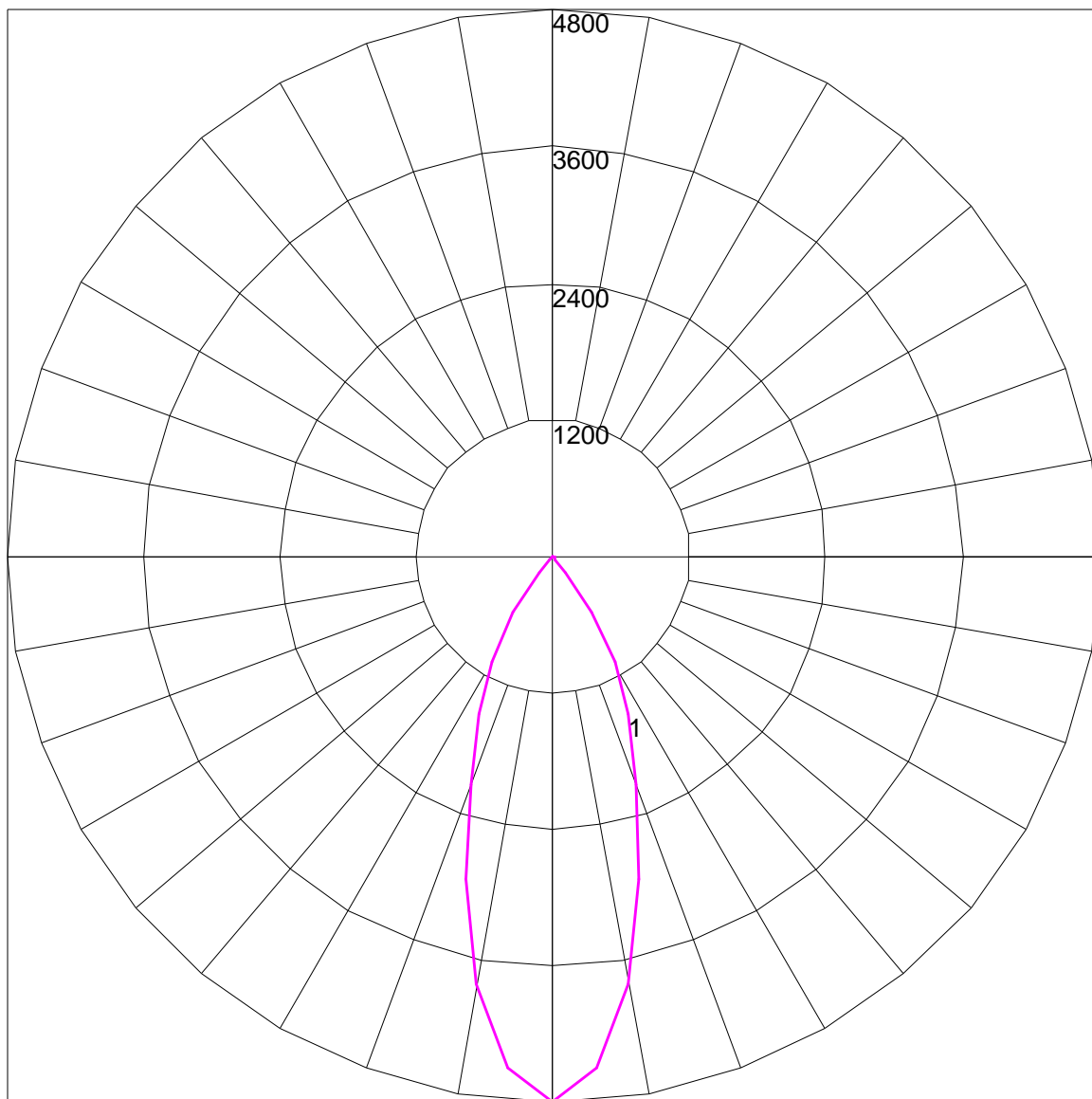
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	112	109	107	112	109	107	106	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	99	94	91	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	85	82	86	83	81	80
5	95	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69	68
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65	64
9	80	72	67	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	69	63	60	76	68	63	60	67	63	60	67	62	60	66	62	59	58

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00592\_1 ~ C08XXXT-30LXXK-MDEX-TSG-GL.IES

POLAR GRAPH



Maximum Candela = 4800.161 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)