

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00592 ~ C08XXXT-20LXXK-MDEX-TSG-FG.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00592\_M-20L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 6/29/2017  
 [UPDATE] 3/26/2018  
 [LUMCAT] C08xxXT-20L-xxK-MD-EX-TSG-FG  
 [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] Frosted Glass Lens, Regressed in Lower Trim  
 [OTHER] 50.2 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	1403
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	21.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.82
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 ~ C08XXXT-20LXXK-MDEX-TSG-FG.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6667	6698	6052
55	1164	1141	1086
65	87	90	91
75	135	95	107
85	309	262	383

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592 ~ C08XXXT-20LXXK-MDEX-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>
<b>0</b>	1755.770	1755.770	1755.770	1755.770	1755.770
<b>5</b>	1703.252	1706.923	1699.502	1692.836	1670.626
<b>10</b>	1556.910	1565.396	1552.073	1548.004	1510.997
<b>15</b>	1350.228	1364.797	1346.365	1345.091	1300.036
<b>20</b>	1116.608	1137.895	1119.793	1121.332	1072.416
<b>25</b>	881.053	904.460	892.998	895.676	849.050
<b>30</b>	659.690	682.127	677.425	680.421	639.243
<b>35</b>	464.833	488.032	483.027	487.860	452.741
<b>40</b>	299.186	318.350	309.401	317.567	285.312
<b>45</b>	156.867	165.501	157.598	161.732	142.414
<b>50</b>	62.232	65.015	61.616	64.011	57.195
<b>55</b>	22.210	23.919	21.783	24.286	20.724
<b>60</b>	5.226	6.414	5.358	6.528	5.073
<b>65</b>	1.218	1.580	1.268	1.227	1.279
<b>70</b>	0.941	1.049	0.881	0.739	1.199
<b>75</b>	1.165	0.809	0.821	0.888	0.922
<b>80</b>	0.789	1.055	0.782	1.152	1.113
<b>85</b>	0.895	0.978	0.761	1.156	1.112
<b>90</b>	0.627	0.860	0.681	0.680	1.062

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592 ~ C08XXXT-20LXXK-MDEX-TSG-FG.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	532.19	N.A.	37.90
0-30	940.45	N.A.	67.10
0-40	1241.67	N.A.	88.50
0-60	1398.24	N.A.	99.70
0-80	1401.54	N.A.	99.90
0-90	1402.55	N.A.	100.00
10-90	1245.14	N.A.	88.80
20-40	709.47	N.A.	50.60
20-50	840.83	N.A.	60.00
40-70	158.90	N.A.	11.30
60-80	3.30	N.A.	0.20
70-80	0.98	N.A.	0.10
80-90	1.01	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	1402.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.41
10-20	374.79
20-30	408.26
30-40	301.22
40-50	131.35
50-60	25.22
60-70	2.32
70-80	0.98
80-90	1.01
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 ~ C08XXXT-20LXXK-MDEX-TSG-FG.IES

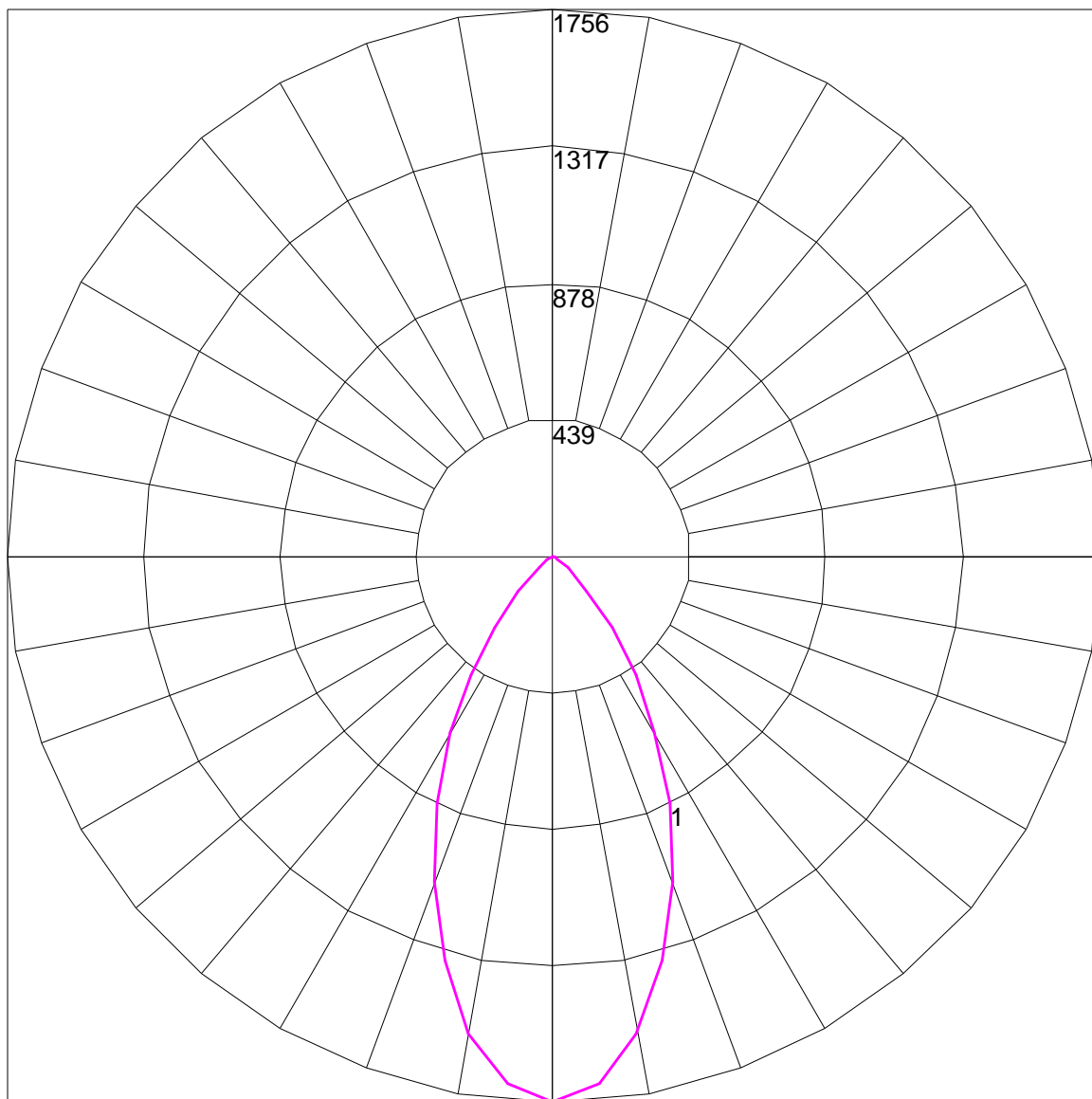
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	95	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	83	79	95	88	83	79	86	81	78	84	80	77	82	79	76	74
5	92	83	77	73	90	82	77	72	80	76	72	79	75	71	77	74	71	69
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	73	67	63	81	72	67	63	71	66	62	70	65	62	69	65	62	60
8	78	69	63	59	77	68	62	58	67	62	58	66	61	58	65	61	58	56
9	75	65	59	55	74	64	59	55	63	58	55	63	58	54	62	57	54	53
10	71	61	55	51	70	61	55	51	60	55	51	59	54	51	59	54	51	50

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00592 ~ C08XXXT-20LXXK-MDEX-TSG-FG.IES

POLAR GRAPH



Maximum Candela = 1755.77 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)