

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_19 ~ C08XXXT-10LXXK-XWEX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00592\_19\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 6/29/2017  
[UPDATE] 3/27/2018  
[LUMCAT] C08xxXT-10L-xxK-XW-EX-TSG-SO  
[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight  
[OTHER] Data applicable to: 12"H and 18" H Cylinders  
[OTHER] Upper, Internal Reflector, Xtra Wide Beam  
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum  
[OTHER] Solite Lens, Regressed in Lower Trim  
[OTHER] 57.3 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	773
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
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\_19 ~ C08XXXT-10LXXK-XWEX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1998	2101	1994
55	318	333	338
65	32	29	30
75	48	73	69
85	139	170	156

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00592\_19 ~ C08XXXT-10LXXK-XWEX-TSG-SO.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>	899.912	899.912	899.912	899.912	899.912
<b>5</b>	881.888	883.445	880.547	880.915	874.806
<b>10</b>	836.885	840.344	835.103	836.669	824.448
<b>15</b>	762.955	769.196	761.844	762.836	746.992
<b>20</b>	666.759	676.284	669.191	671.690	653.557
<b>25</b>	552.551	569.288	560.777	568.590	545.386
<b>30</b>	412.494	429.982	422.764	431.602	406.397
<b>35</b>	258.619	269.425	266.037	273.571	250.547
<b>40</b>	127.756	136.036	133.261	138.459	122.552
<b>45</b>	47.007	44.749	49.445	50.169	46.920
<b>50</b>	17.836	17.789	18.929	19.706	18.425
<b>55</b>	6.075	6.231	6.365	6.551	6.453
<b>60</b>	0.966	0.766	1.057	1.054	1.092
<b>65</b>	0.449	0.352	0.407	0.480	0.426
<b>70</b>	0.335	0.446	0.521	0.542	0.448
<b>75</b>	0.416	0.495	0.627	0.447	0.592
<b>80</b>	0.368	0.309	0.581	0.532	0.448
<b>85</b>	0.404	0.525	0.494	0.373	0.453
<b>90</b>	0.363	0.204	0.486	0.233	0.431

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Zone	Lumens	%Lamp	%Fixt
0-20	295.46	N.A.	38.20
0-30	549.29	N.A.	71.10
0-40	717.39	N.A.	92.80
0-60	771.48	N.A.	99.80
0-80	772.56	N.A.	99.90
0-90	773.03	N.A.	100.00
10-90	690.33	N.A.	89.30
20-40	421.94	N.A.	54.60
20-50	468.89	N.A.	60.70
40-70	54.65	N.A.	7.10
60-80	1.09	N.A.	0.10
70-80	0.52	N.A.	0.10
80-90	0.46	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	773.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.69
10-20	212.77
20-30	253.83
30-40	168.10
40-50	46.96
50-60	7.13
60-70	0.57
70-80	0.52
80-90	0.46
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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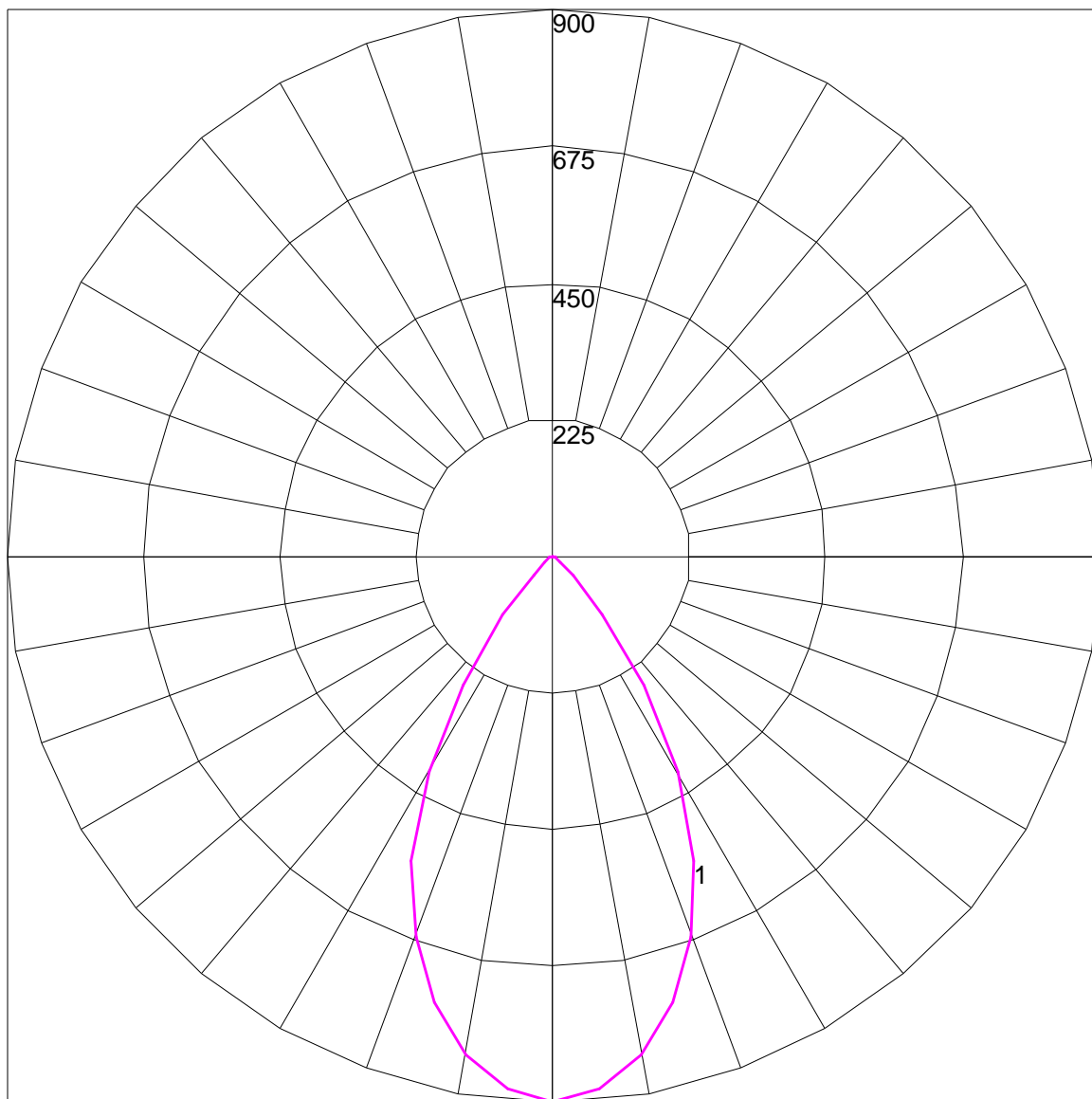
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	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	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66
7	83	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54
10	72	62	57	53	71	62	56	53	61	56	53	60	56	52	60	55	52	51

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POLAR GRAPH



Maximum Candela = 899.912 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)