

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00592_5 ~ C08XXXT-10LXXK-NDEX-TSG-GL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00592_5_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/29/2017
[UPDATE] 3/26/2018
[LUMCAT] C08xxXT-10L-xxK-ND-EX-TSG-GL
[LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
[OTHER] Data applicable to: 12"H and 18" H Cylinders
[OTHER] Upper, Internal Reflector, Narrow Beam
[OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
[OTHER] Clear Glass Lens, Regressed in Lower Trim
[OTHER] 22.7 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, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	901
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.40
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.42
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	385	556	392
55	23	40	29
65	31	26	44
75	58	32	59
85	145	147	117

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3319.053	3319.053	3319.053	3319.053	3319.053
5	2900.912	3000.484	2898.775	2868.867	2836.854
10	1887.078	1978.285	1898.932	1855.066	1794.053
15	1034.116	1093.214	1048.747	1018.813	965.415
20	595.459	624.943	607.741	589.810	559.740
25	404.819	421.026	411.429	400.340	382.910
30	305.973	321.039	311.394	303.775	289.237
35	209.085	228.818	214.382	208.082	194.497
40	82.181	102.272	87.088	84.040	77.754
45	9.061	3.852	13.087	11.130	9.234
50	0.668	0.629	0.884	1.021	1.021
55	0.437	0.665	0.762	0.410	0.556
60	0.365	0.536	0.478	0.263	0.306
65	0.438	0.309	0.369	0.488	0.624
70	0.611	0.446	0.398	0.432	0.623
75	0.502	0.370	0.276	0.361	0.504
80	0.445	0.283	0.305	0.295	0.383
85	0.420	0.512	0.425	0.434	0.340
90	0.458	0.380	0.575	0.325	0.282

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Zone	Lumens	%Lamp	%Fixt
0-20	555.43	N.A.	61.70
0-30	751.51	N.A.	83.40
0-40	878.66	N.A.	97.60
0-60	899.33	N.A.	99.90
0-80	900.17	N.A.	100.00
0-90	900.61	N.A.	100.00
10-90	654.35	N.A.	72.70
20-40	323.23	N.A.	35.90
20-50	343.36	N.A.	38.10
40-70	21.10	N.A.	2.30
60-80	0.84	N.A.	0.10
70-80	0.41	N.A.	0.00
80-90	0.44	N.A.	0.00
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	900.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	246.26
10-20	309.18
20-30	196.08
30-40	127.15
40-50	20.13
50-60	0.54
60-70	0.43
70-80	0.41
80-90	0.44
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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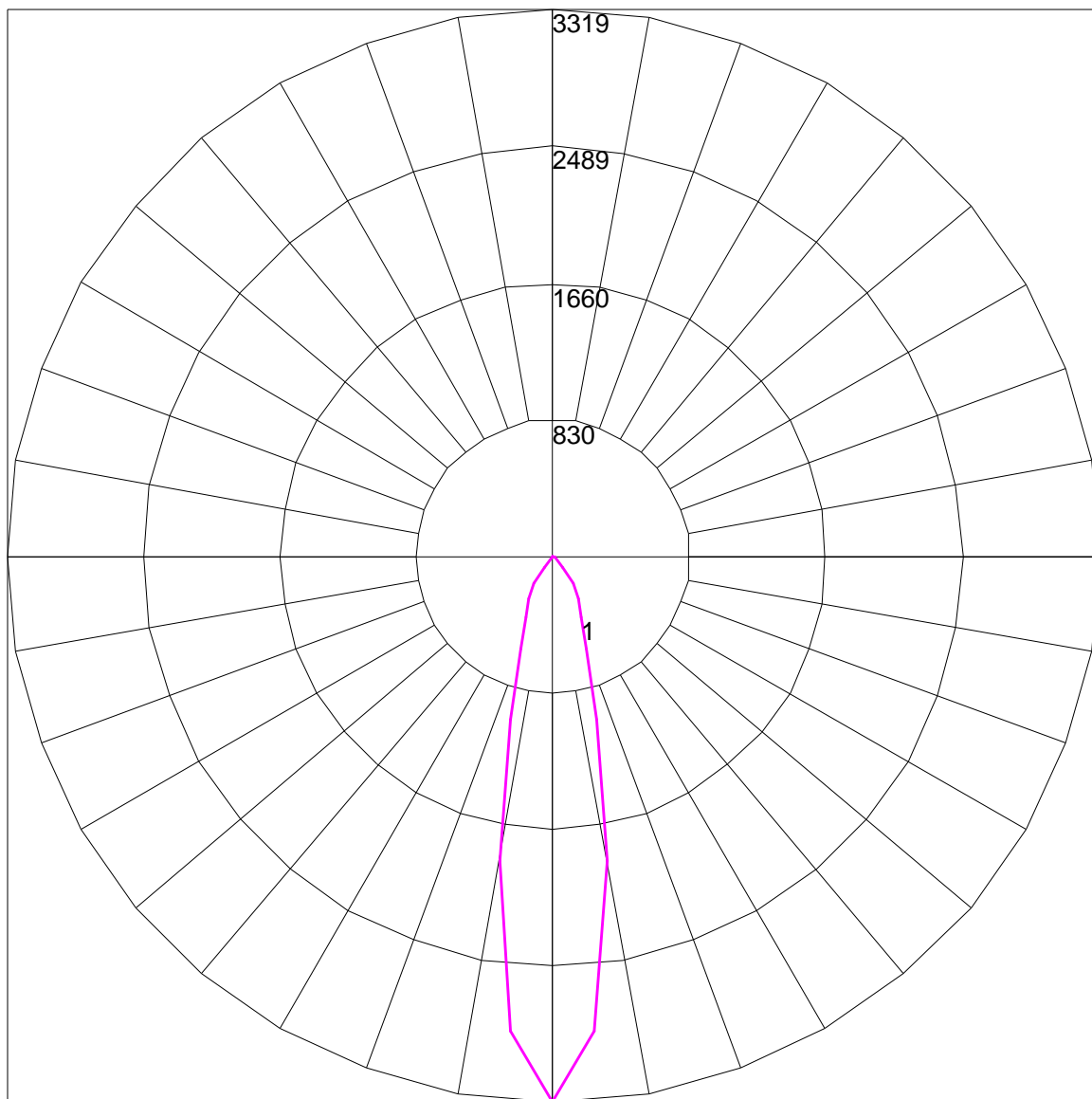
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	103	102	101	100	99	98	97	95
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72
8	88	80	75	72	87	79	75	72	78	74	71	77	74	71	77	73	71	70
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	72	68	66	65

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POLAR GRAPH



Maximum Candela = 3319.053 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)