

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00592_10 ~ C08XXXT-10LXXK-WDEX-TSG-NL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00592_10_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 6/29/2017
 [UPDATE] 3/27/2018
 [LUMCAT] C08xxXT-10L-xxK-WD-EX-TSG-NL
 [LUMINAIRE] Nom.8" Diam. LED Cylinder Downlight
 [OTHER] Data applicable to: 12"H and 18" H Cylinders
 [OTHER] Upper, Internal Reflector, Wide Beam
 [OTHER] Lower Trim, Semi-Diffuse, Clear Anodized Aluminum
 [OTHER] No Lens
 [OTHER] 44.8 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	829
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.76
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	994	815	710
55	101	135	93
65	36	57	41
75	59	77	70
85	218	190	229

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1297.626	1297.626	1297.626	1297.626	1297.626
5	1255.569	1262.719	1255.524	1256.050	1243.445
10	1138.107	1151.608	1139.719	1143.512	1115.318
15	949.112	964.921	948.580	957.456	916.491
20	734.357	746.872	729.865	738.811	703.006
25	556.268	563.792	551.102	556.809	532.061
30	415.547	425.499	414.884	420.642	393.312
35	256.889	268.692	254.434	261.180	229.606
40	99.325	111.206	99.713	105.632	84.428
45	23.397	23.312	19.173	21.132	16.701
50	7.656	7.658	7.133	7.279	6.329
55	1.932	2.457	2.577	2.279	1.774
60	0.514	0.825	0.873	0.793	0.801
65	0.512	0.485	0.808	0.630	0.571
70	0.584	0.491	0.445	0.664	0.502
75	0.512	0.547	0.661	0.506	0.607
80	0.566	0.690	0.607	0.482	0.693
85	0.631	0.566	0.552	0.728	0.664
90	0.756	0.222	0.647	0.222	0.600

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Zone	Lumens	%Lamp	%Fixt
0-20	379.13	N.A.	45.70
0-30	636.97	N.A.	76.80
0-40	796.00	N.A.	96.00
0-60	827.27	N.A.	99.80
0-80	828.50	N.A.	99.90
0-90	829.13	N.A.	100.00
10-90	712.88	N.A.	86.00
20-40	416.87	N.A.	50.30
20-50	445.34	N.A.	53.70
40-70	31.90	N.A.	3.80
60-80	1.23	N.A.	0.10
70-80	0.60	N.A.	0.10
80-90	0.62	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	829.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.25
10-20	262.88
20-30	257.83
30-40	159.04
40-50	28.47
50-60	2.79
60-70	0.63
70-80	0.60
80-90	0.62
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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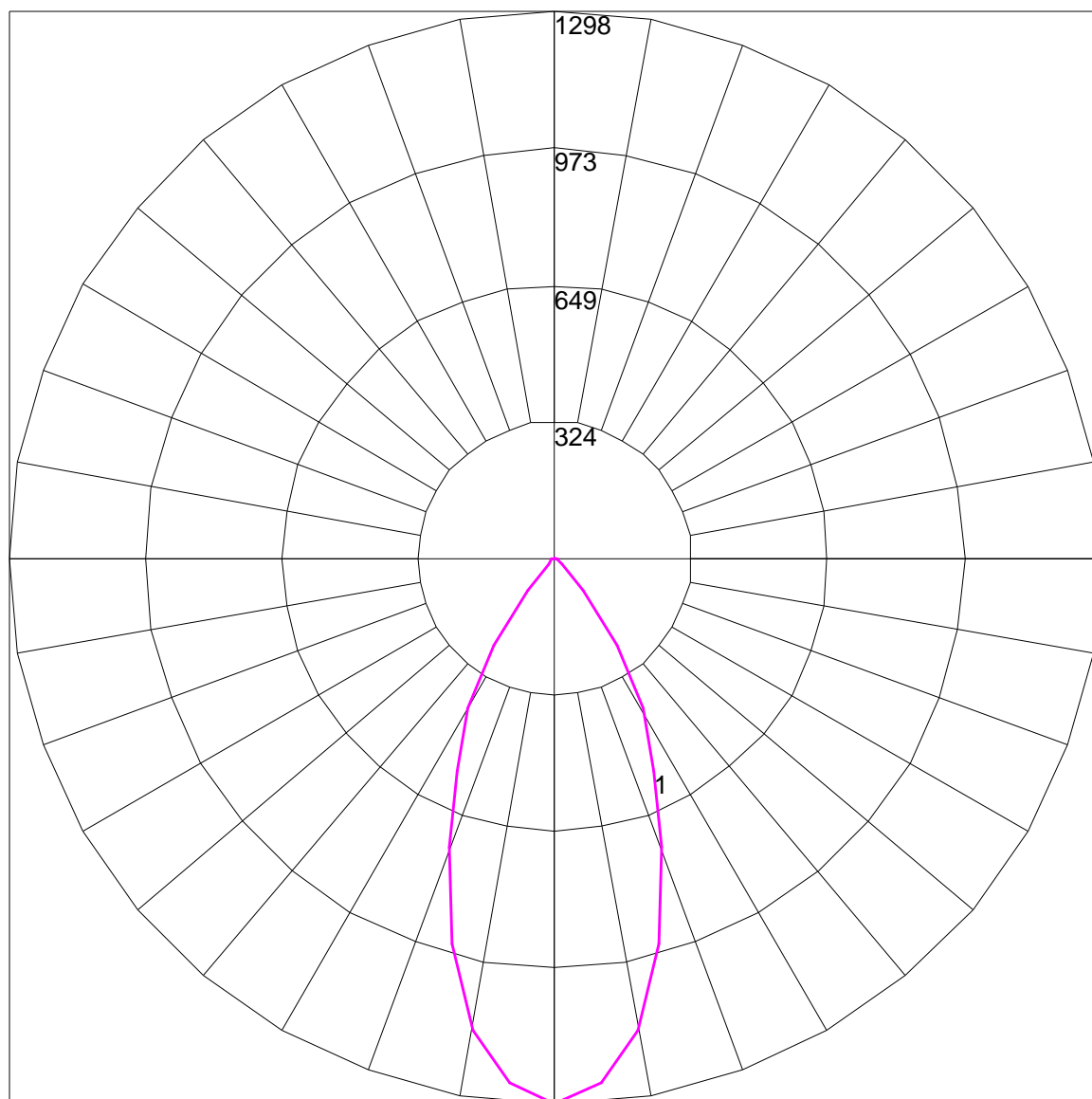
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	86	81	77	93	86	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	69	64	60	77	69	64	60	68	63	60	67	63	60	66	62	60	58
10	75	66	61	57	74	66	60	57	65	60	57	64	60	57	63	59	56	55

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POLAR GRAPH



Maximum Candela = 1297.626 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)