

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-13LXXKNDE1-SD4XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Wed Jul 13 2016

[TEST] SP-00487_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4XT-13L-xxK-ND-E1-SD4x-MW-GLX

[LUMINAIRE] 4" Square, Downlight, Narrow Beam

[TRIM] Matte White, regressed clear glass Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFI4, SDFO4, SDZI4, and SDZO4 series

[OTHER] For Trims: SD4F and SD4N series

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1083
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2866	3267	2856
55	3417	3478	3284
65	3323	3963	3648
75	3951	3907	3957
85	4211	4133	3433

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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	4237.524	4237.524	4237.524	4237.524	4237.524
5	3742.754	3758.523	3766.407	3742.882	3815.547
10	2636.517	2672.368	2669.875	2671.508	2689.583
15	1483.542	1485.331	1487.187	1482.902	1480.432
20	666.887	669.882	677.578	667.017	670.215
25	400.842	435.367	453.786	432.910	393.864
30	131.700	233.139	370.908	227.596	131.453
35	31.353	54.395	181.597	54.964	29.796
40	21.726	24.677	42.565	25.282	21.749
45	20.938	22.292	23.865	21.895	20.860
50	20.166	20.881	22.313	20.896	19.721
55	20.244	19.838	20.608	20.478	19.456
60	17.415	18.041	18.681	17.930	17.441
65	14.508	16.099	17.303	16.965	15.925
70	14.069	14.849	14.490	14.973	13.887
75	10.564	11.300	10.447	11.175	10.579
80	6.848	7.506	7.436	7.745	7.051
85	3.791	3.650	3.721	3.656	3.091
90	1.308	1.131	1.027	1.089	0.621

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	749.68	N.A.	69.20
0-30	949.99	N.A.	87.70
0-40	1015.46	N.A.	93.70
0-60	1051.4	N.A.	97.00
0-80	1079.15	N.A.	99.60
0-90	1083.42	N.A.	100.00
10-90	757.74	N.A.	69.90
20-40	265.78	N.A.	24.50
20-50	283.93	N.A.	26.20
40-70	52.14	N.A.	4.80
60-80	27.75	N.A.	2.60
70-80	11.54	N.A.	1.10
80-90	4.27	N.A.	0.40
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	1083.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	325.68
10-20	424.00
20-30	200.31
30-40	65.47
40-50	18.15
50-60	17.79
60-70	16.21
70-80	11.54
80-90	4.27
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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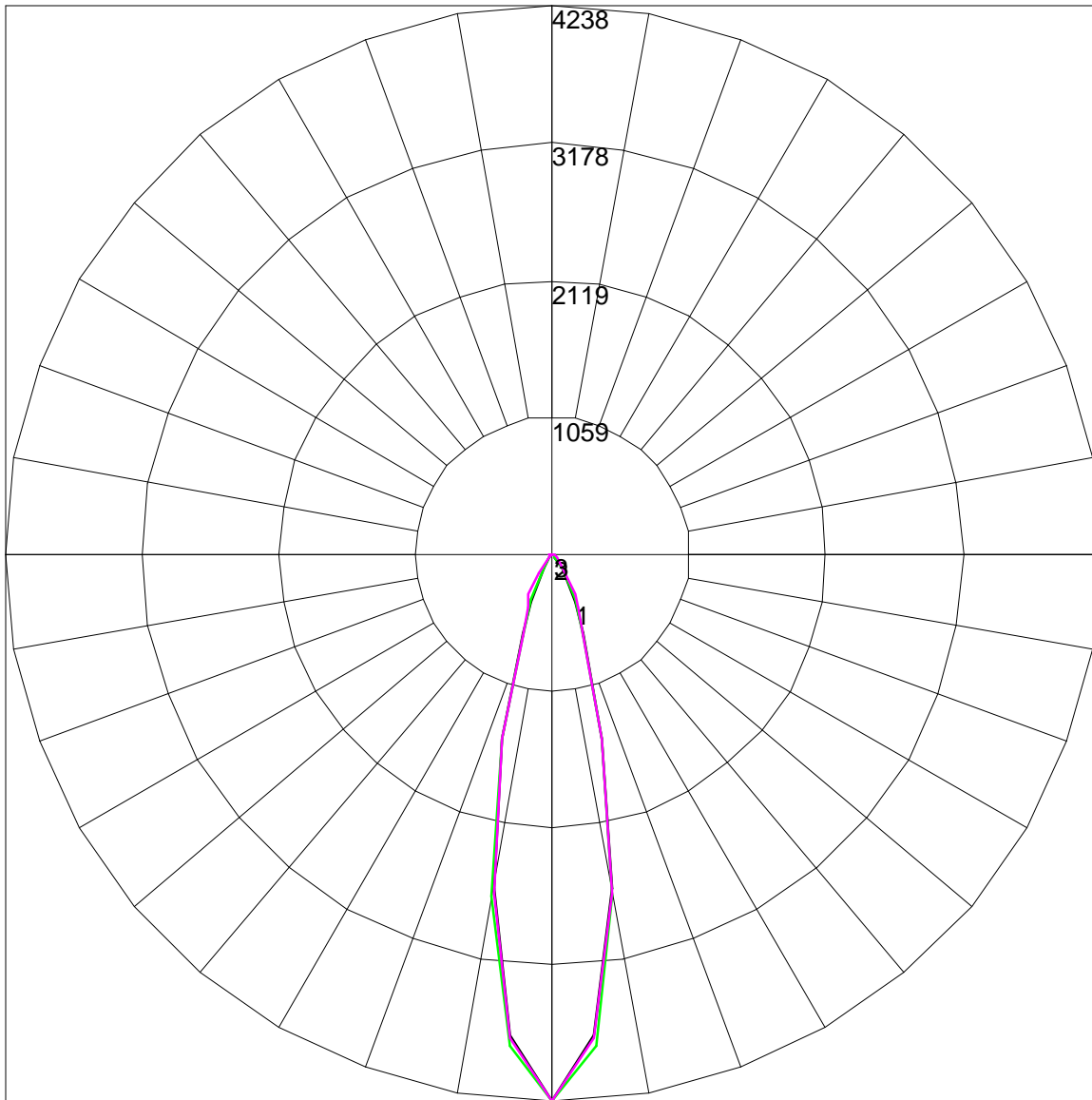
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	112	110	108	106	106	104	103	102	101	99	98	98	97	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	93	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76
7	92	84	80	76	90	84	79	76	83	79	76	81	78	75	80	77	75	74
8	89	81	77	73	88	81	76	73	80	76	73	79	75	73	78	75	72	71
9	86	79	74	71	85	78	74	71	77	73	70	76	73	70	76	72	70	69
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67

POLAR GRAPH



Maximum Candela = 4237.524 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)