

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-10LXXKWDE1-SD4XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Wed Jul 13 2016

[TEST] SP-00487_2_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4LEDXT-10L-xxK-WD-E1-SD4x-MW-SOX

[LUMINAIRE] 4" Square, Downlight, Wide Beam

[TRIM] Matte White, regressed Solite 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	691
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.84
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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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6019	5572	5989
55	5931	5770	5823
65	6026	5766	6091
75	5591	5622	5358
85	5029	4999	4354

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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	888.769	888.769	888.769	888.769	888.769
5	829.709	802.498	824.073	818.305	827.864
10	808.768	804.411	813.568	816.317	816.598
15	786.315	789.827	800.755	794.527	784.118
20	601.996	645.074	677.847	642.204	601.444
25	400.353	448.654	508.206	458.626	399.554
30	182.283	257.902	374.518	259.099	178.608
35	64.279	79.815	178.712	81.857	62.320
40	52.907	52.666	61.835	53.260	53.797
45	43.969	40.331	40.702	40.953	43.749
50	40.852	37.602	37.336	37.957	41.557
55	35.141	34.352	34.190	34.346	34.503
60	31.179	30.955	30.232	30.726	32.663
65	26.306	26.464	25.173	26.636	26.592
70	21.023	21.072	21.045	21.346	19.369
75	14.948	15.235	15.031	15.147	14.326
80	8.949	9.129	9.891	9.467	8.569
85	4.528	4.532	4.501	4.856	3.920
90	1.330	1.162	1.332	1.419	1.538

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	292.10	N.A.	42.30
0-30	498.35	N.A.	72.10
0-40	578.74	N.A.	83.80
0-60	643.79	N.A.	93.20
0-80	685.50	N.A.	99.20
0-90	690.87	N.A.	100.00
10-90	612.15	N.A.	88.60
20-40	286.64	N.A.	41.50
20-50	320.72	N.A.	46.40
40-70	90.87	N.A.	13.20
60-80	41.71	N.A.	6.00
70-80	15.90	N.A.	2.30
80-90	5.37	N.A.	0.80
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	690.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	78.72
10-20	213.37
20-30	206.26
30-40	80.39
40-50	34.07
50-60	30.98
60-70	25.82
70-80	15.90
80-90	5.37
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

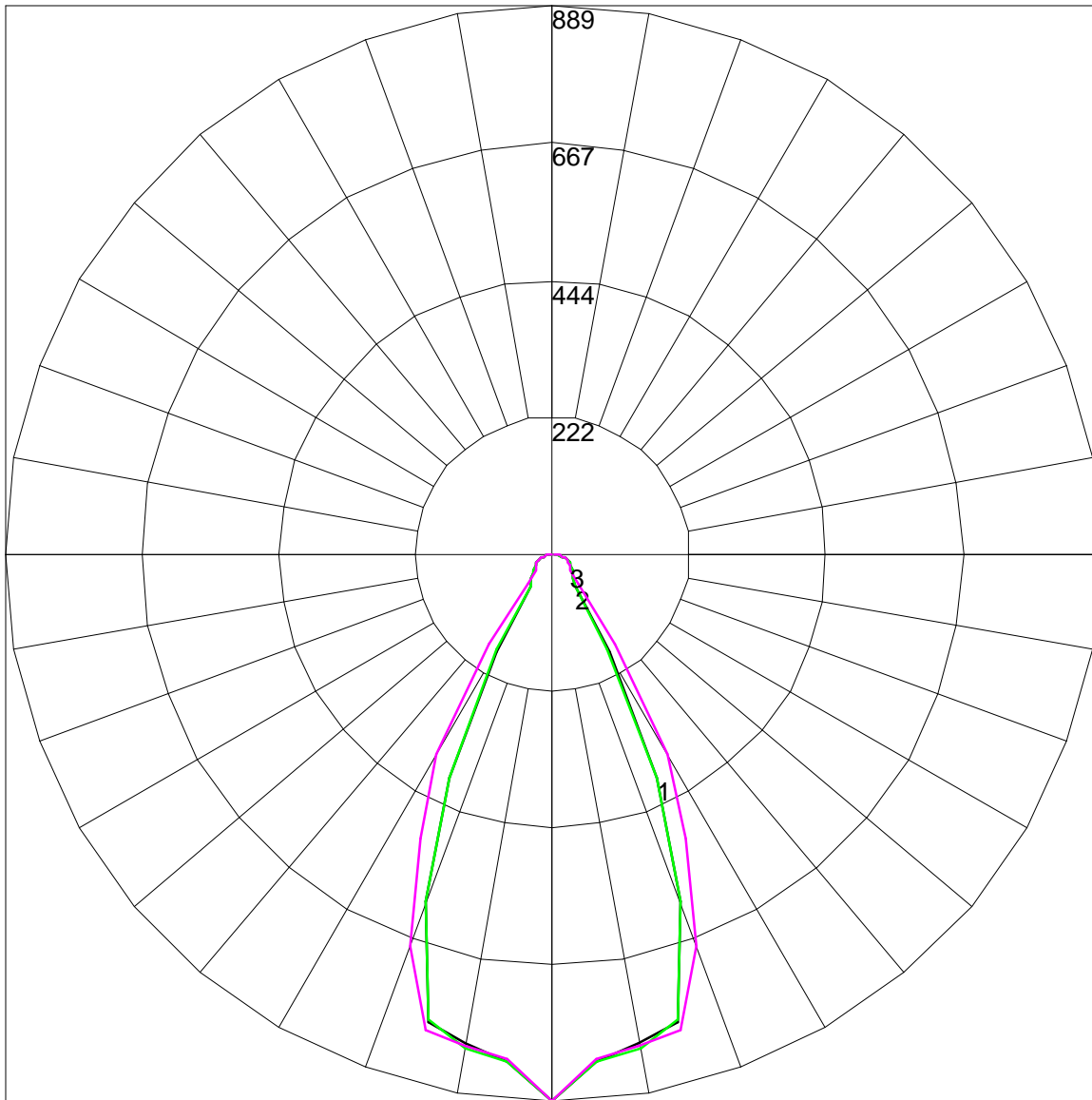
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84
3	101	93	88	84	98	92	87	83	89	85	82	87	83	80	85	82	79	77
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	73	72
5	90	82	75	71	89	81	75	70	79	74	70	77	73	69	75	72	69	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63
7	82	72	66	62	80	72	66	61	70	65	61	69	64	61	68	64	60	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

POLAR GRAPH



Maximum Candela = 888.769 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)