

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-50LXXKNDE1-SD6XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[TEST] SP-00488

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-50L-xxK-ND-E1-SD6x-MW-GLX

[LUMINAIRE] 6" 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: SDFO6, and SDZO6 series

[OTHER] For Trims: SD6F and SD6N series

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

[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3946
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	54
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 w/Sides
Luminous Length (0-180)	0.79 ft
Luminous Width (90-270)	0.93 ft
Luminous Height	0.82 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	564	751	595
55	445	410	523
65	336	297	360
75	228	220	288
85	119	103	136

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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	15089.26	15089.26	15089.26	15089.26	15089.26
5	13002.90	13102.84	12967.36	12971.33	12993.62
10	9154.16	9071.15	9130.38	9135.46	9196.40
15	5139.44	5203.09	5172.46	5170.27	5189.17
20	2311.73	2320.97	2299.71	2308.86	2310.17
25	1483.48	1479.46	1499.60	1496.10	1487.39
30	1254.46	1296.00	1306.81	1312.49	1230.38
35	360.91	689.07	923.99	689.21	364.54
40	60.45	117.95	371.62	117.14	56.67
45	55.26	54.87	85.26	53.67	53.94
50	54.93	53.14	51.48	50.71	48.96
55	43.10	47.75	47.06	44.97	46.23
60	38.52	40.39	41.67	41.50	38.73
65	31.14	33.66	33.39	33.95	29.97
70	24.30	27.75	29.67	27.62	24.31
75	19.52	24.03	23.46	22.93	21.80
80	15.27	19.17	18.50	19.27	16.43
85	9.08	11.46	10.09	11.74	8.95
90	3.06	4.00	4.10	3.54	2.65

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2593.55	N.A.	65.70
0-30	3343.89	N.A.	84.70
0-40	3770.78	N.A.	95.60
0-60	3877.42	N.A.	98.30
0-80	3934.58	N.A.	99.70
0-90	3946.28	N.A.	100.00
10-90	2818.42	N.A.	71.40
20-40	1177.23	N.A.	29.80
20-50	1242.54	N.A.	31.50
40-70	139.74	N.A.	3.50
60-80	57.16	N.A.	1.40
70-80	24.06	N.A.	0.60
80-90	11.71	N.A.	0.30
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	3946.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1127.86
10-20	1465.69
20-30	750.34
30-40	426.89
40-50	65.31
50-60	41.32
60-70	33.10
70-80	24.06
80-90	11.71
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

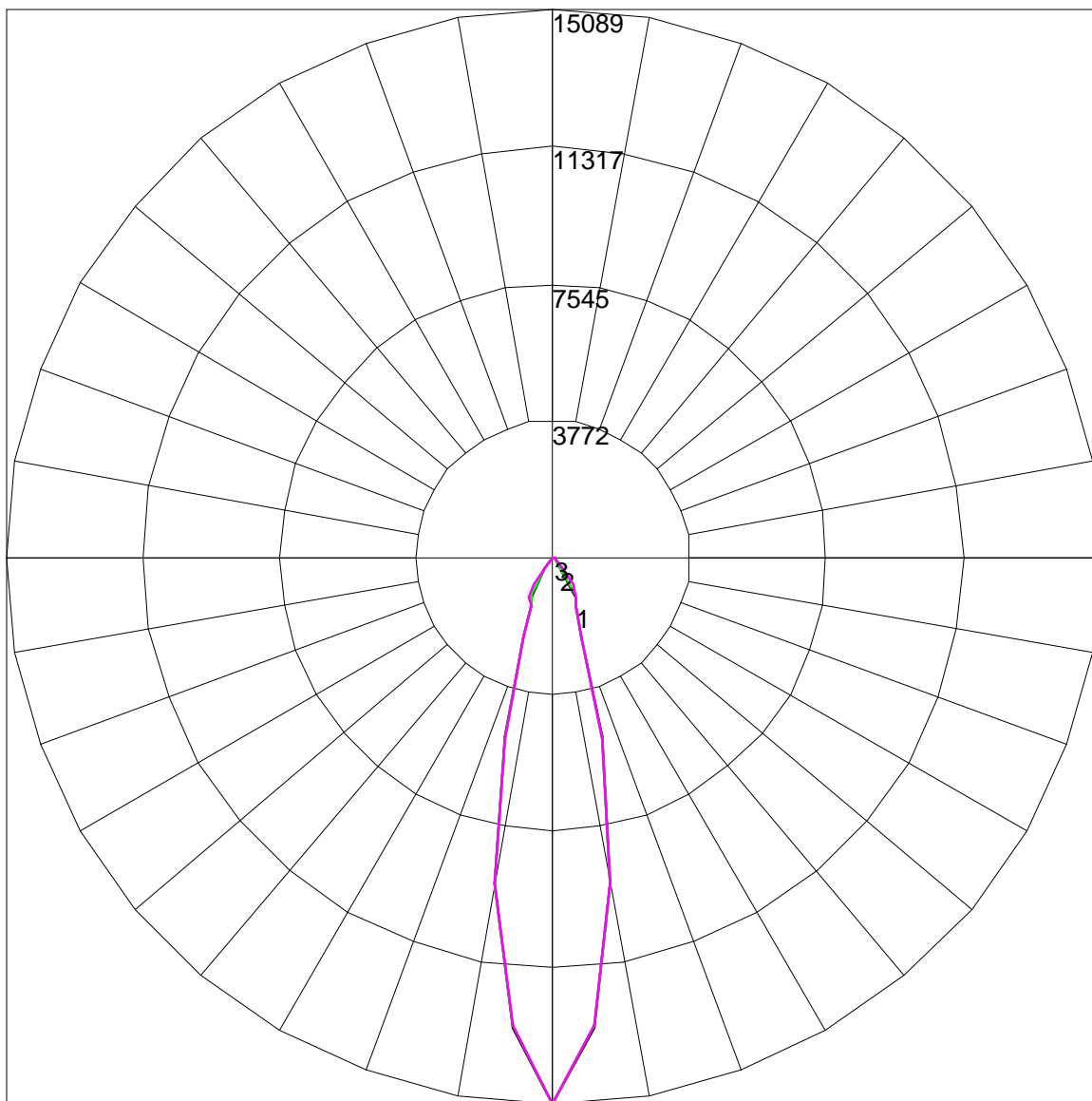
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	90	88	86
4	101	95	91	87	100	94	90	87	92	89	86	90	87	85	88	86	84	82
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	79	85	81	78	84	80	78	82	79	77	76
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	77	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	78	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

POLAR GRAPH



Maximum Candela = 15089.26 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)