

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-13LXXKMDE1-SD6XMWSOX.IES.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] Tue Dec 1 2015

[TEST] SP-00488_1_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-13L-xxK-MD-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Medium 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: SDFI6, SDFO6, SDZI6, 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, scaled from 50L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	947
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.76
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-13LXXKMDE1-SD6XMWSOX.IES.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	518	596	572
55	440	405	485
65	358	312	405
75	239	210	284
85	94	75	107

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SDXX6XT-13LXXKMDE1-SD6XMWSOX.IES.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1438.575	1438.575	1438.575	1438.575	1438.575
5	1306.536	1308.203	1325.431	1313.770	1348.828
10	1080.890	1072.646	1077.575	1071.229	1068.457
15	827.024	831.056	824.977	822.502	823.742
20	709.457	709.004	719.592	712.143	702.135
25	571.477	584.914	587.941	590.031	570.019
30	411.447	443.617	466.599	447.416	410.696
35	148.444	256.695	392.813	257.163	149.022
40	57.522	75.356	219.960	74.932	56.506
45	50.752	55.510	67.574	54.054	51.919
50	49.915	50.172	51.797	50.861	46.173
55	42.604	44.884	46.493	45.913	42.832
60	38.594	40.456	41.863	39.822	38.854
65	33.116	35.295	35.095	35.844	33.691
70	28.475	29.801	29.825	29.401	28.272
75	20.501	21.455	22.389	21.739	21.453
80	13.806	13.783	13.666	13.863	13.757
85	7.179	6.601	7.298	6.997	7.023
90	2.267	1.955	1.599	1.833	1.300

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX6XT-13LXXKMDE1-SD6XMWSOX.IES.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	357.99	N.A.	37.80
0-30	623.60	N.A.	65.80
0-40	789.41	N.A.	83.30
0-60	881.86	N.A.	93.10
0-80	939.20	N.A.	99.20
0-90	947.25	N.A.	100.00
10-90	828.69	N.A.	87.50
20-40	431.42	N.A.	45.50
20-50	483.47	N.A.	51.00
40-70	126.98	N.A.	13.40
60-80	57.34	N.A.	6.10
70-80	22.80	N.A.	2.40
80-90	8.05	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	947.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.56
10-20	239.43
20-30	265.61
30-40	165.81
40-50	52.04
50-60	40.40
60-70	34.53
70-80	22.80
80-90	8.05
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

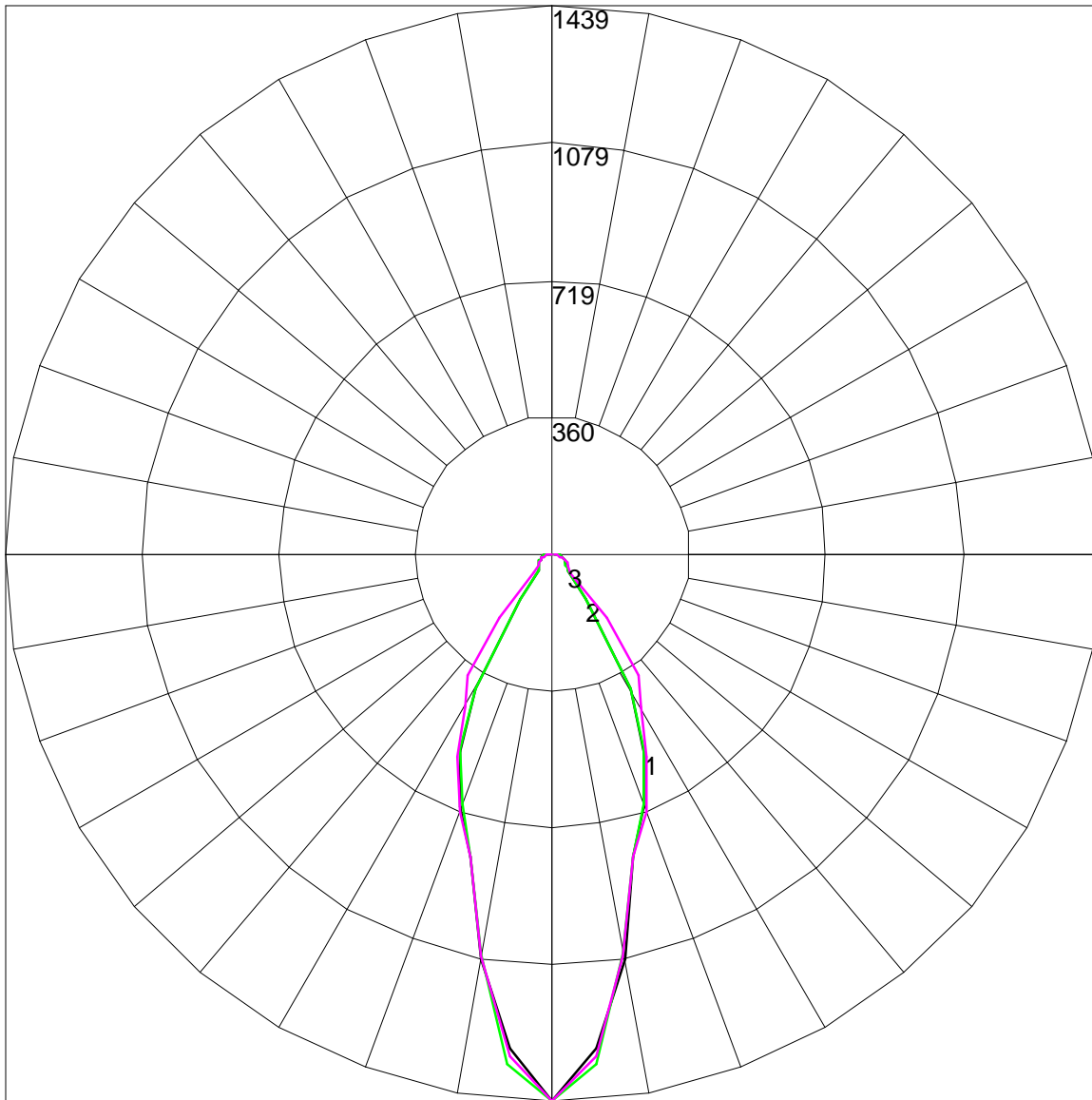
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SDXX6XT-13LXXKMDE1-SD6XMWSOX.IES.IES

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	104	102	103	101	99	99	97	96	96	94	93	91
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	76
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71
5	90	81	74	69	88	80	74	69	78	72	68	76	71	68	74	70	67	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61
7	81	71	65	60	79	70	64	60	69	63	60	68	63	59	67	62	59	57
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	55	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	54	50	69	59	54	50	59	53	50	58	53	50	57	53	49	48

POLAR GRAPH



Maximum Candela = 1438.575 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)