

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-10LXXKWDE1-SD6XMWSOX.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] Tue Dec 1 2015

[TEST] SP-00488_2_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-10L-xxK-WD-E1-SD6x-MW-SOX

[LUMINAIRE] 6" 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: 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	710
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	11.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.92
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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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	378	424	421
55	296	283	330
65	244	220	296
75	168	140	199
85	61	51	73

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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	792.387	792.387	792.387	792.387	792.387
5	693.559	694.547	696.931	710.433	704.000
10	672.343	662.552	679.132	668.384	668.093
15	692.781	691.417	696.697	702.829	688.035
20	591.669	592.973	588.702	590.559	592.049
25	469.465	472.713	477.154	471.949	474.525
30	333.546	359.796	374.269	361.240	336.665
35	108.051	189.252	286.308	188.945	106.721
40	46.970	61.187	169.444	61.806	46.169
45	37.014	39.343	48.084	39.071	38.173
50	33.698	35.170	35.747	35.392	33.036
55	28.693	30.890	32.432	30.367	29.124
60	25.991	28.462	28.651	28.359	26.321
65	22.560	24.569	24.714	24.422	24.609
70	19.603	20.485	19.593	19.931	19.684
75	14.406	15.176	14.986	15.471	15.031
80	9.469	9.760	9.961	9.814	9.941
85	4.601	5.122	4.993	4.811	4.821
90	1.291	1.270	1.530	1.129	1.444

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	253.87	N.A.	35.80
0-30	470.69	N.A.	66.30
0-40	598.10	N.A.	84.20
0-60	664.52	N.A.	93.60
0-80	704.23	N.A.	99.20
0-90	709.94	N.A.	100.00
10-90	643.08	N.A.	90.60
20-40	344.23	N.A.	48.50
20-50	382.86	N.A.	53.90
40-70	90.32	N.A.	12.70
60-80	39.71	N.A.	5.60
70-80	15.81	N.A.	2.20
80-90	5.71	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	709.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.86
10-20	187.01
20-30	216.81
30-40	127.41
40-50	38.63
50-60	27.79
60-70	23.90
70-80	15.81
80-90	5.71
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

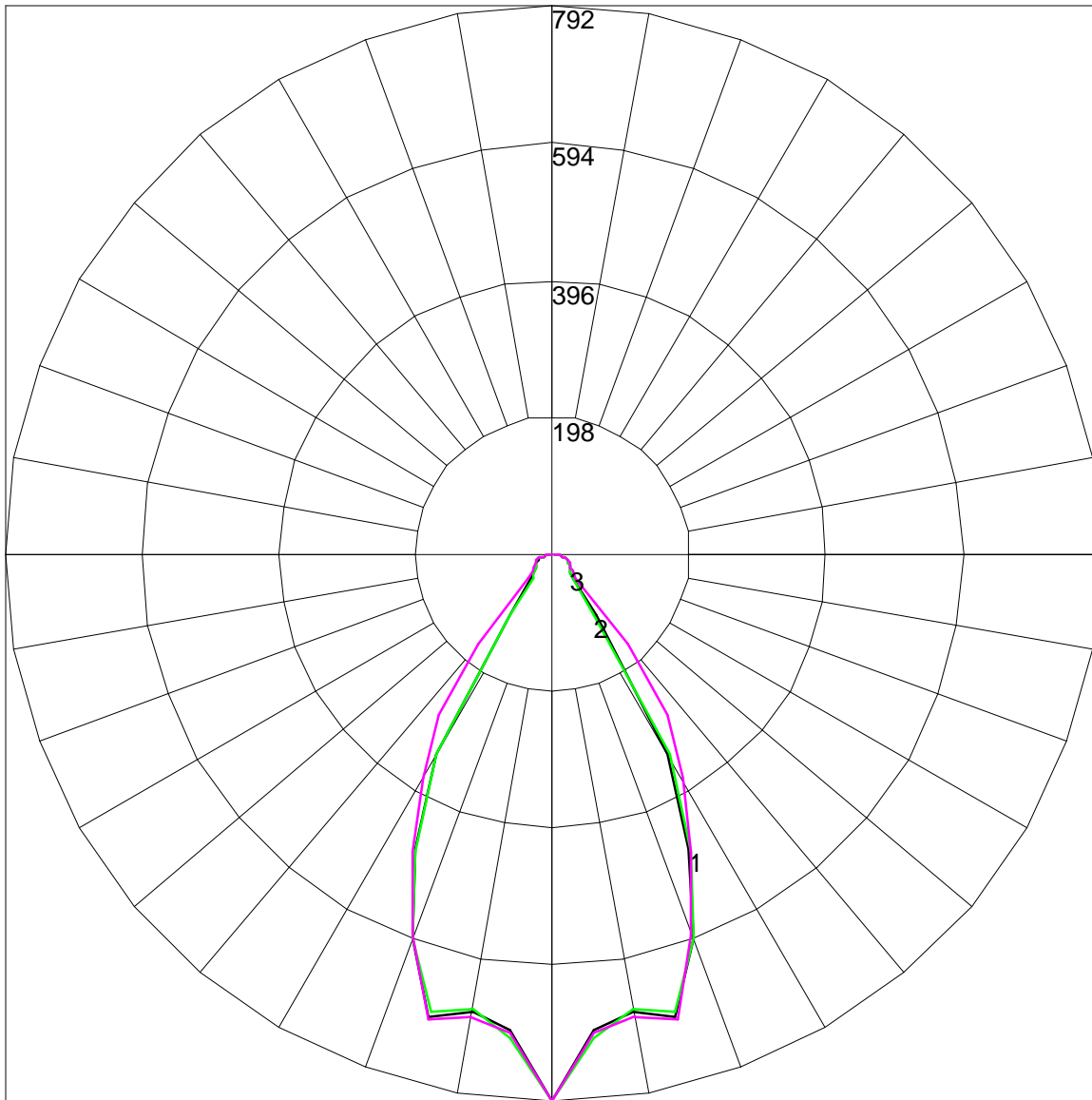
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	82	79	84	81	78	76
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57
8	76	66	60	55	75	66	59	55	64	59	55	63	58	55	62	58	54	53
9	73	62	56	52	71	62	56	52	61	55	52	60	55	51	59	55	51	50
10	69	59	53	49	68	58	53	49	58	52	49	57	52	48	56	52	48	47

POLAR GRAPH



Maximum Candela = 792.387 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)