

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-20LXXKXWE1-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] Wed Jul 13 2016

[TEST] SP-00488_3_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6LEDXT-20L-xxK-XW-E1-SD6x-MW-SOX

[LUMINAIRE] 6" Square, Downlight, Xtra 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

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CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1503
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.50 ft
Luminous Width (90-270)	0.50 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	5468	6981	5515
55	4320	5094	4496
65	4606	4917	4676
75	4796	4880	4708
85	4292	4657	4864

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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	1683.488	1683.488	1683.488	1683.488	1683.488
5	1626.552	1640.112	1630.620	1619.356	1659.568
10	1557.312	1546.172	1565.628	1548.128	1540.848
15	1344.420	1368.588	1371.324	1365.364	1363.716
20	1114.388	1117.076	1121.088	1113.396	1098.156
25	952.224	967.268	979.080	965.104	962.152
30	770.664	813.304	817.056	806.576	765.568
35	292.372	459.284	658.032	462.560	289.940
40	112.964	140.880	365.508	143.056	114.192
45	89.888	96.544	114.760	96.988	90.660
50	67.608	72.816	74.344	72.784	67.204
55	57.608	63.768	67.920	64.776	59.948
60	50.224	54.184	55.120	55.264	53.236
65	45.256	46.752	48.308	47.448	45.936
70	37.100	38.944	39.588	38.892	37.092
75	28.860	30.360	29.360	29.936	28.328
80	18.076	19.196	20.104	18.900	18.284
85	8.696	9.900	9.436	9.956	9.856
90	2.648	3.000	2.660	2.812	2.192

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	530.98	N.A.	35.30
0-30	973.09	N.A.	64.70
0-40	1269.84	N.A.	84.50
0-60	1415.00	N.A.	94.10
0-80	1492.11	N.A.	99.30
0-90	1503.3	N.A.	100.00
10-90	1349.69	N.A.	89.80
20-40	738.86	N.A.	49.10
20-50	827.28	N.A.	55.00
40-70	191.43	N.A.	12.70
60-80	77.11	N.A.	5.10
70-80	30.84	N.A.	2.10
80-90	11.19	N.A.	0.70
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	1503.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	153.61
10-20	377.37
20-30	442.12
30-40	296.74
40-50	88.42
50-60	56.74
60-70	46.27
70-80	30.84
80-90	11.19
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

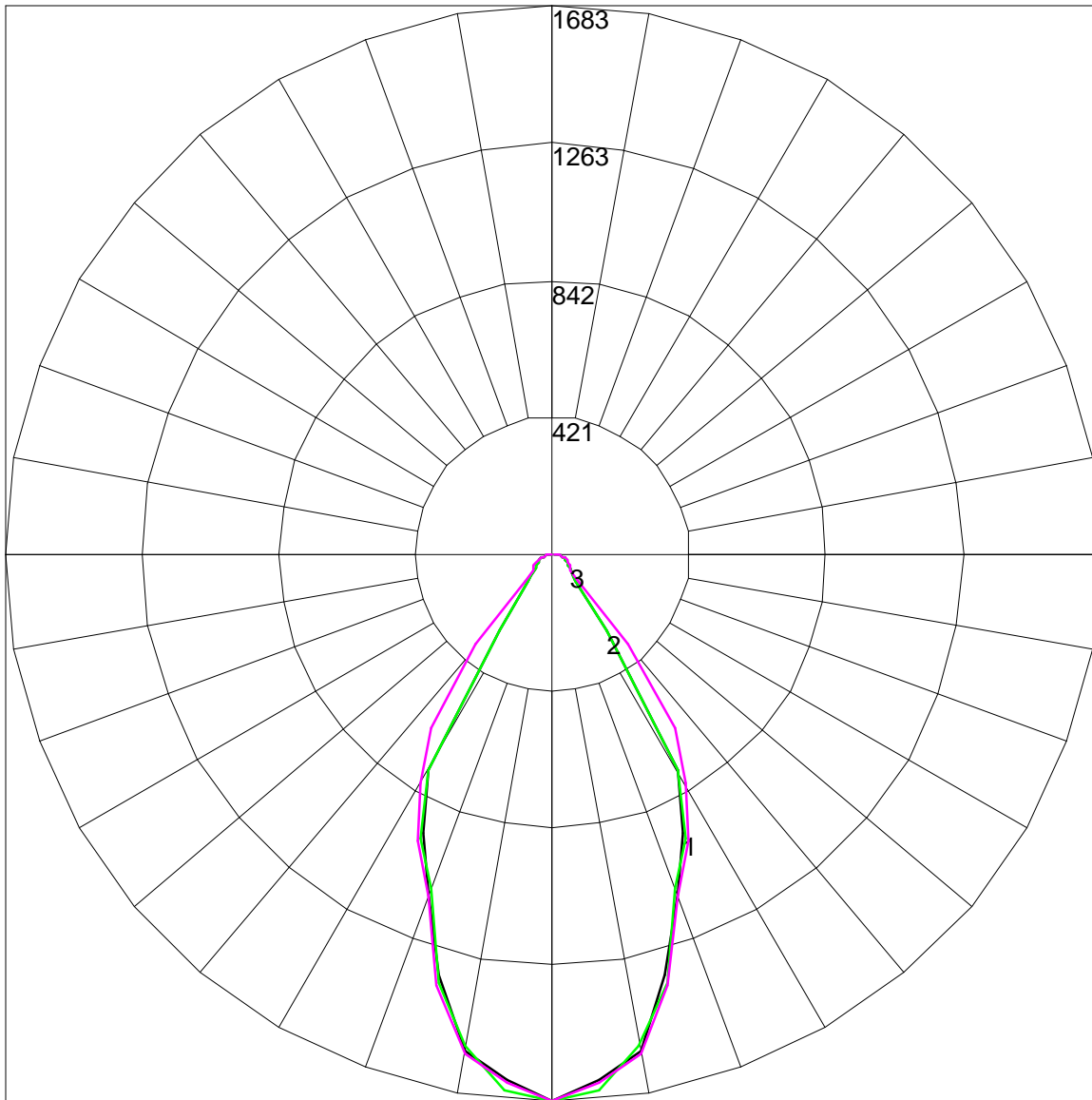
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	90	87	85	83
3	100	93	87	83	98	91	86	82	89	84	81	86	83	79	84	81	78	77
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57
8	76	66	60	55	75	66	59	55	64	59	55	63	58	55	62	58	55	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 = 1683.488 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)