

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX6XT-20LXXKMDE1-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-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-20L-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	1457
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	23.7
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-20LXXKMDE1-SD6XMWSOX.IES.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	797	916	880
55	677	624	746
65	550	480	623
75	368	323	436
85	145	115	164

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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	2213.192	2213.192	2213.192	2213.192	2213.192
5	2010.056	2012.620	2039.124	2021.184	2075.120
10	1662.908	1650.224	1657.808	1648.044	1643.780
15	1272.344	1278.548	1269.196	1265.388	1267.296
20	1091.472	1090.776	1107.064	1095.604	1080.208
25	879.196	899.868	904.524	907.740	876.952
30	632.996	682.488	717.844	688.332	631.840
35	228.376	394.916	604.328	395.636	229.264
40	88.496	115.932	338.400	115.280	86.932
45	78.080	85.400	103.960	83.160	79.876
50	76.792	77.188	79.688	78.248	71.036
55	65.544	69.052	71.528	70.636	65.896
60	59.376	62.240	64.404	61.264	59.776
65	50.948	54.300	53.992	55.144	51.832
70	43.808	45.848	45.884	45.232	43.496
75	31.540	33.008	34.444	33.444	33.004
80	21.240	21.204	21.024	21.328	21.164
85	11.044	10.156	11.228	10.764	10.804
90	3.488	3.008	2.460	2.820	2.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	550.75	N.A.	37.80
0-30	959.39	N.A.	65.80
0-40	1214.48	N.A.	83.30
0-60	1356.71	N.A.	93.10
0-80	1444.92	N.A.	99.20
0-90	1457.31	N.A.	100.00
10-90	1274.9	N.A.	87.50
20-40	663.73	N.A.	45.50
20-50	743.80	N.A.	51.00
40-70	195.35	N.A.	13.40
60-80	88.21	N.A.	6.10
70-80	35.08	N.A.	2.40
80-90	12.39	N.A.	0.90
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	1457.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.40
10-20	368.35
20-30	408.64
30-40	255.09
40-50	80.07
50-60	62.16
60-70	53.13
70-80	35.08
80-90	12.39
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

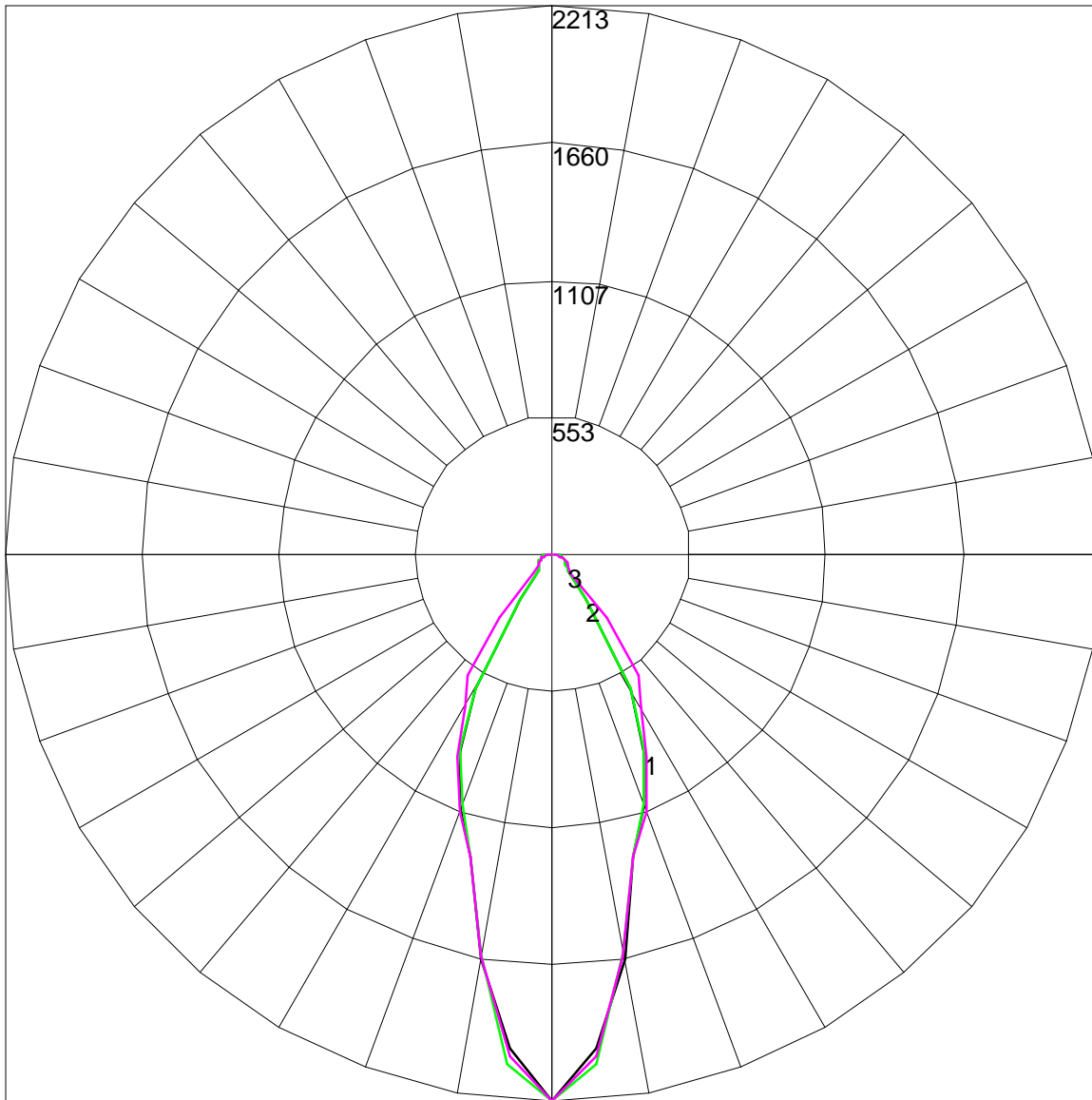
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	49	57	53	49	48

POLAR GRAPH



Maximum Candela = 2213.192 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)