

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX6XT-20LXXKWDE1-SD6XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUE DATE]

[TEST DATE] Wed Sep 30 2015

[UPDATE] Tue Dec 1 2015

[TEST] SP-00488\_2\_M-20L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx6XT-20L-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	1471
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	23.7
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

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDXX6XT-20LXXKWDE1-SD6XMWSOX.IES**

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	783	878	872
55	614	586	683
65	505	456	613
75	349	291	412
85	125	106	152

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SDXX6XT-20LXXKWDE1-SD6XMWSOX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1642.252	1642.252	1642.252	1642.252	1642.252
<b>5</b>	1437.428	1439.476	1444.416	1472.400	1459.068
<b>10</b>	1393.456	1373.164	1407.528	1385.252	1384.648
<b>15</b>	1435.816	1432.988	1443.932	1456.640	1425.980
<b>20</b>	1226.256	1228.960	1220.108	1223.956	1227.044
<b>25</b>	972.984	979.716	988.920	978.132	983.472
<b>30</b>	691.288	745.692	775.688	748.684	697.752
<b>35</b>	223.940	392.232	593.384	391.596	221.184
<b>40</b>	97.348	126.812	351.180	128.096	95.688
<b>45</b>	76.712	81.540	99.656	80.976	79.116
<b>50</b>	69.840	72.892	74.088	73.352	68.468
<b>55</b>	59.468	64.020	67.216	62.936	60.360
<b>60</b>	53.868	58.988	59.380	58.776	54.552
<b>65</b>	46.756	50.920	51.220	50.616	51.004
<b>70</b>	40.628	42.456	40.608	41.308	40.796
<b>75</b>	29.856	31.452	31.060	32.064	31.152
<b>80</b>	19.624	20.228	20.644	20.340	20.604
<b>85</b>	9.536	10.616	10.348	9.972	9.992
<b>90</b>	2.676	2.632	3.172	2.340	2.992

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDXX6XT-20LXXKWDE1-SD6XMWSOX.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	526.16	N.A.	35.80
0-30	975.51	N.A.	66.30
0-40	1239.58	N.A.	84.20
0-60	1377.25	N.A.	93.60
0-80	1459.55	N.A.	99.20
0-90	1471.37	N.A.	100.00
10-90	1332.8	N.A.	90.60
20-40	713.42	N.A.	48.50
20-50	793.49	N.A.	53.90
40-70	187.20	N.A.	12.70
60-80	82.30	N.A.	5.60
70-80	32.77	N.A.	2.20
80-90	11.83	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	1471.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	138.57
10-20	387.58
20-30	449.36
30-40	264.07
40-50	80.07
50-60	57.60
60-70	49.53
70-80	32.77
80-90	11.83
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

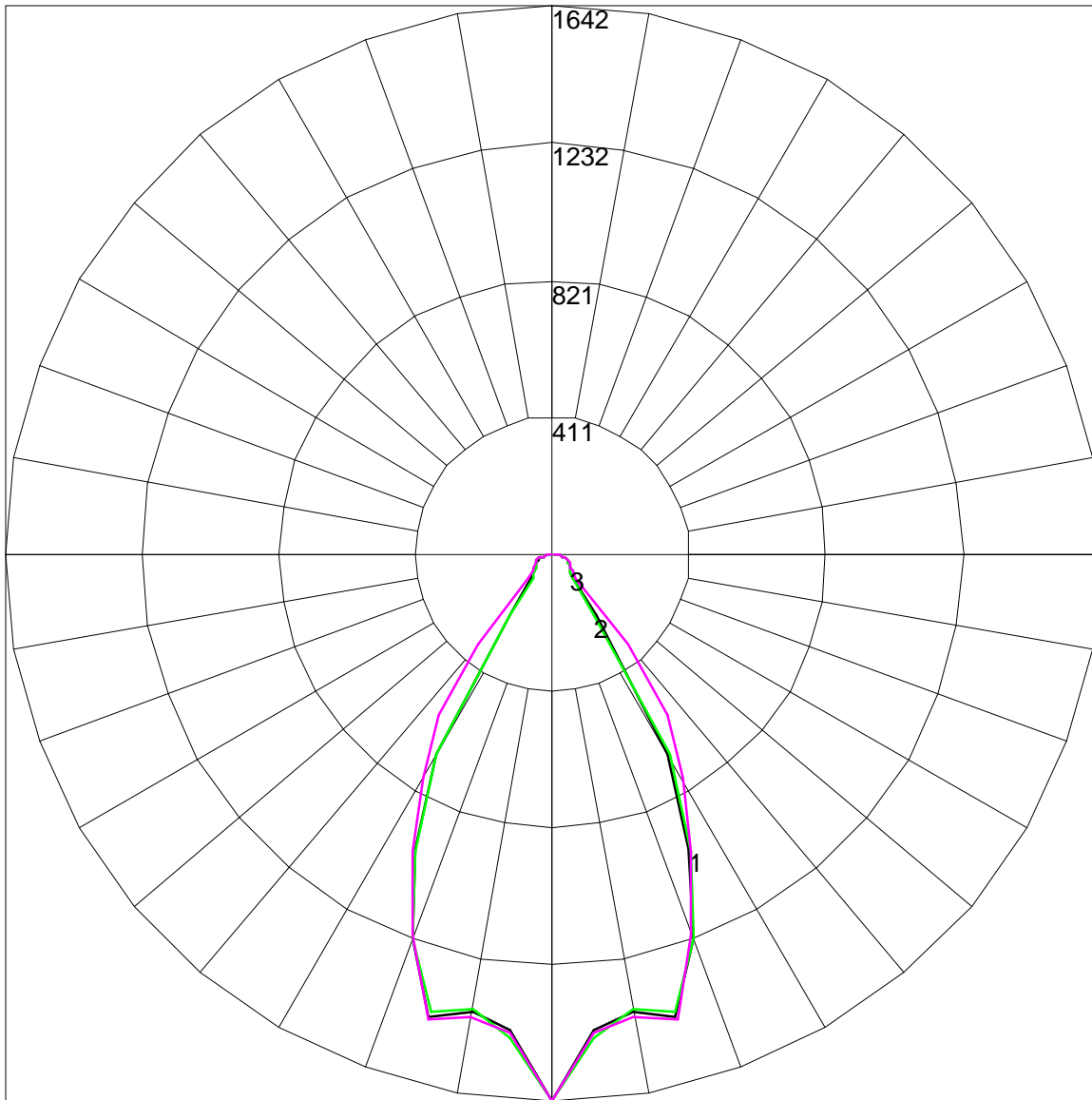
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDXX6XT-20LXXKWDE1-SD6XMWSOX.IES**

**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	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	62	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 = 1642.252 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)