

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_18 ~ C06XXUDXT-13LWDGL-13LWD-XXKEX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_18_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-13L-WD-GL-13L-WD-xxK-EX-TSG-SO-xx (Up/Down)
 [LUMINAIRE] Nom. 6" Diam. x 18"H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H. variant
 [OTHER] Uplight: Wide Beam, Flush Clear Glass lens
 [OTHER] Uplight: 42 Degree Beam Angle
 [OTHER] Downlight: Wide Beam, Regressed Solite lens
 [OTHER] Downlight: 45.1 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized aluminum
 [LAMP] N/A
 [LAMPCAT] N/A, 19mm LES Uplight
 [OTHER] N/A, 19mm LES Downlight
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] See Catalog cut sheet for different source lumen multipliers
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1696
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00423_18 ~ C06XXUDXT-13LWDGL-13LWD-XXKEX-TSG-SO (UP_DOWN).IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1844	2054	2127
55	395	412	438
65	126	116	109
75	115	131	122
85	352	443	437

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1403.468	1403.468	1403.468	1403.468	1403.468
2.5	1372.650	1377.000	1378.677	1379.835	1387.858
5.0	1341.832	1350.533	1353.887	1356.202	1372.249
7.5	1272.764	1280.778	1285.839	1288.667	1303.027
10.0	1203.695	1211.022	1217.791	1221.131	1233.805
12.5	1107.724	1113.341	1121.273	1124.885	1135.742
15.0	1011.753	1015.660	1024.756	1028.638	1037.679
17.5	907.692	910.549	919.454	922.340	929.720
20.0	803.632	805.438	814.153	816.041	821.761
22.5	702.935	704.428	711.844	716.366	719.611
25.0	602.238	603.419	609.534	616.691	617.461
27.5	499.792	502.906	509.616	519.551	520.785
30.0	397.346	402.393	409.698	422.412	424.107
32.5	292.638	292.310	305.008	308.249	315.837
35.0	187.929	182.226	200.318	194.086	207.566
37.5	124.143	118.737	132.762	128.764	137.336
40.0	60.358	55.249	65.205	63.443	67.106
42.5	42.083	39.382	45.859	44.861	47.285
45.0	23.808	23.513	26.513	26.279	27.463
47.5	17.199	16.948	19.038	19.046	20.149
50.0	10.590	10.383	11.562	11.814	12.834
52.5	7.365	7.199	7.936	8.338	8.709
55.0	4.140	4.016	4.311	4.861	4.582
57.5	2.802	2.631	3.026	3.165	3.063
60.0	1.463	1.245	1.740	1.468	1.542
62.5	1.220	1.102	1.319	1.043	1.191
65.0	0.976	0.959	0.897	0.618	0.840
67.5	0.924	0.788	0.807	0.539	0.765
70.0	0.872	0.617	0.717	0.460	0.690
72.5	0.707	0.705	0.669	0.580	0.633
75.0	0.543	0.792	0.621	0.699	0.577
77.5	0.595	0.789	0.672	0.735	0.534
80.0	0.648	0.786	0.723	0.772	0.492
82.5	0.604	0.788	0.714	0.760	0.593
85.0	0.560	0.789	0.705	0.748	0.695
87.5	0.280	0.395	0.708	0.779	0.796
90.0	0.000	0.000	0.712	0.809	0.898
92.5	2.763	3.474	2.602	3.492	1.011
95.0	3.489	2.837	3.408	3.511	1.076
97.5	3.589	3.051	3.528	3.318	1.039
100.0	3.689	3.265	3.647	3.124	1.002
102.5	3.598	3.618	3.515	3.332	1.272
105.0	3.506	3.971	3.382	3.539	1.542
107.5	3.578	3.595	3.569	3.296	1.852
110.0	3.649	3.219	3.756	3.052	2.163
112.5	3.990	3.721	4.211	3.479	2.599
115.0	4.330	4.223	4.666	3.906	3.034
117.5	4.839	4.974	5.578	4.662	3.827
120.0	5.348	5.726	6.489	5.419	4.619
122.5	7.126	7.123	7.958	6.946	5.827
125.0	8.904	8.519	9.427	8.473	7.035

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127.5	11.617	11.555	12.268	11.602	9.619
130.0	14.329	14.591	15.109	14.732	12.202
132.5	22.376	23.094	23.012	23.039	19.401
135.0	30.422	31.596	30.915	31.346	26.601
137.5	69.102	69.819	67.051	66.542	61.377
140.0	107.782	108.042	103.186	101.739	96.153
142.5	188.298	185.199	186.642	176.990	170.933
145.0	268.815	262.356	270.097	252.241	245.714
147.5	350.995	341.515	354.370	334.950	330.166
150.0	433.174	420.674	438.643	417.658	414.619
152.5	497.348	487.163	499.373	487.450	483.075
155.0	561.522	553.652	560.102	557.242	551.531
157.5	649.841	639.622	647.179	642.869	636.793
160.0	738.161	725.593	734.256	728.497	722.054
162.5	850.830	832.391	842.681	833.484	831.514
165.0	963.498	939.188	951.105	938.471	940.974
167.5	1062.074	1037.496	1047.704	1036.812	1041.094
170.0	1160.650	1135.803	1144.304	1135.153	1141.214
172.5	1223.685	1204.663	1210.376	1202.017	1209.007
175.0	1286.720	1273.523	1276.447	1268.881	1276.800
177.5	1307.168	1300.569	1302.031	1298.248	1302.207
180.0	1327.300	1327.300	1327.300	1327.300	1327.300

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Zone	Lumens	%Lamp	%Fixt
0-20	407.43	N.A.	24.00
0-30	684.71	N.A.	40.40
0-40	815.55	N.A.	48.10
0-60	843.84	N.A.	49.80
0-80	845.49	N.A.	49.90
0-90	846.21	N.A.	49.90
10-90	721.80	N.A.	42.60
20-40	408.13	N.A.	24.10
20-50	431.65	N.A.	25.50
40-70	29.23	N.A.	1.70
60-80	1.66	N.A.	0.10
70-80	0.71	N.A.	0.00
80-90	0.72	N.A.	0.00
90-110	6.37	N.A.	0.40
90-120	10.60	N.A.	0.60
90-130	18.89	N.A.	1.10
90-150	213.62	N.A.	12.60
90-180	849.65	N.A.	50.10
110-180	843.28	N.A.	49.70
0-180	1695.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.41
10-20	283.02
20-30	277.28
30-40	130.84
40-50	23.52
50-60	4.77
60-70	0.94
70-80	0.71
80-90	0.72
90-100	2.92
100-110	3.45
110-120	4.23
120-130	8.28
130-140	33.77
140-150	160.96
150-160	258.39
160-170	260.63
170-180	117.01

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

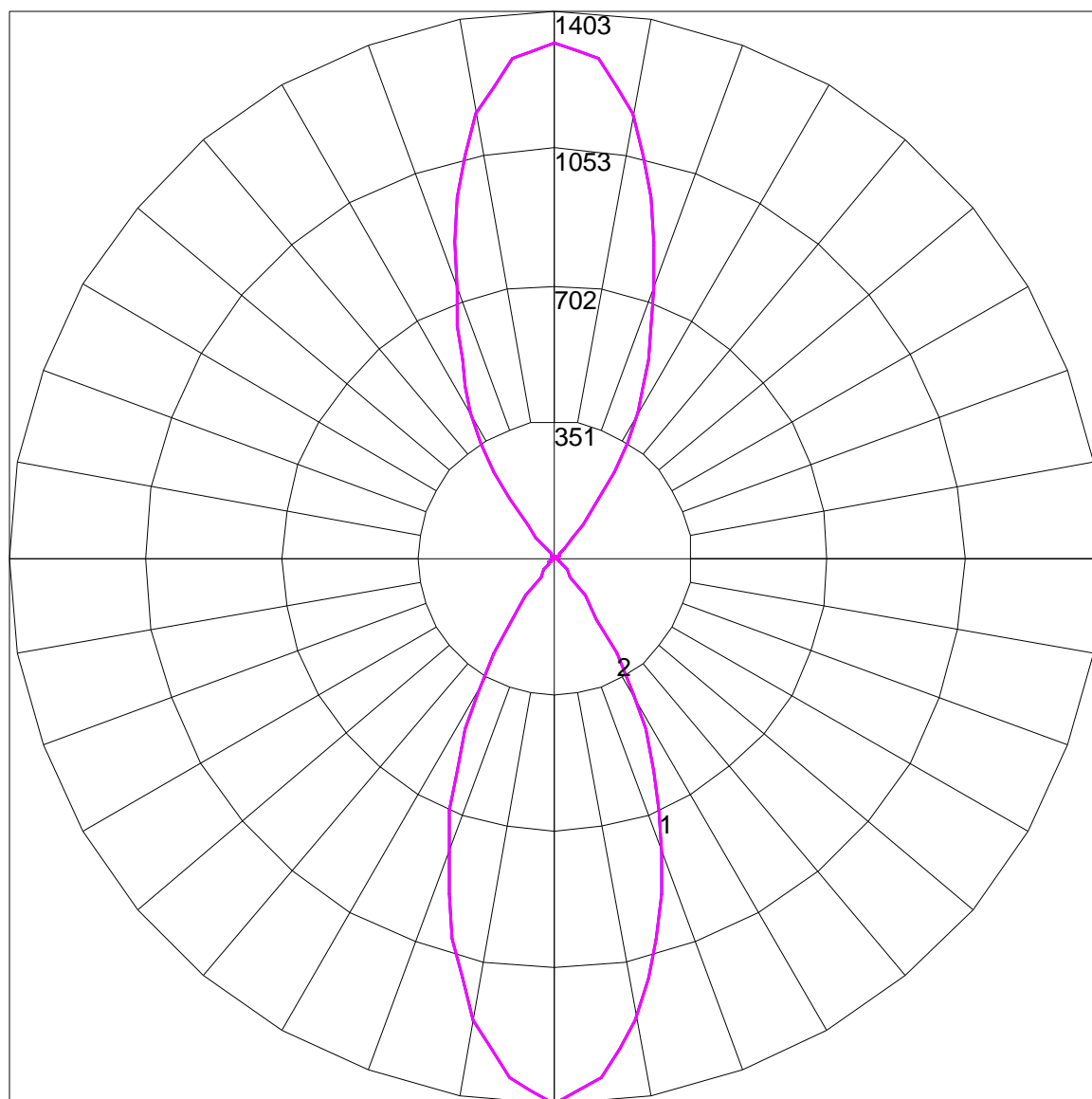
Effective Floor Cavity Reflectance 0.20

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	100	97	94	91	93	90	87	85	77	75	74	65	64	63	53	53	52	47
2	94	88	84	80	87	82	78	75	71	68	66	60	59	57	51	50	49	44
3	88	81	75	70	81	75	71	67	66	62	59	57	54	52	48	47	45	42
4	82	74	68	63	77	69	64	60	61	57	54	53	50	48	46	44	43	39
5	77	68	62	57	72	64	59	55	57	53	50	50	47	45	43	41	40	37
6	73	63	57	52	68	60	54	50	53	49	46	47	44	42	41	39	38	35
7	69	59	52	48	64	56	50	46	50	46	42	44	41	39	39	37	35	33
8	65	55	49	44	61	52	46	43	47	43	40	42	39	36	37	35	33	31
9	61	51	45	41	58	49	43	40	44	40	37	40	37	34	36	33	32	30
10	58	48	42	38	55	46	41	37	42	38	35	38	35	32	34	32	30	28

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POLAR GRAPH



Maximum Candela = 1403.468 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (0 - 180)