

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00423_18 ~ C06XXUDXT-20LWDGL-20LWD-XXKEX-TSG-SO (UP_DOWN).IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_18
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-20L-WD-GL-20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2609
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	43.4
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2837	3159	3273
55	608	633	673
65	195	179	168
75	177	202	188
85	542	682	672

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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>
0.0	2159.181	2159.181	2159.181	2159.181	2159.181
2.5	2111.769	2118.462	2121.042	2122.823	2135.167
5.0	2064.357	2077.743	2082.903	2086.465	2111.152
7.5	1958.098	1970.427	1978.214	1982.564	2004.657
10.0	1851.839	1863.111	1873.524	1878.663	1898.161
12.5	1704.191	1712.833	1725.036	1730.592	1747.295
15.0	1556.543	1562.554	1576.547	1582.520	1596.429
17.5	1396.450	1400.845	1414.545	1418.984	1430.338
20.0	1236.357	1239.135	1252.543	1255.447	1264.247
22.5	1081.439	1083.736	1095.144	1102.102	1107.094
25.0	926.520	928.337	937.745	948.756	949.940
27.5	768.911	773.702	784.025	799.310	801.207
30.0	611.302	619.066	630.305	649.864	652.473
32.5	450.212	449.707	469.243	474.229	485.903
35.0	289.121	280.347	308.181	298.594	319.332
37.5	190.990	182.673	204.249	198.099	211.286
40.0	92.858	84.999	100.316	97.604	103.240
42.5	64.743	60.587	70.553	69.017	72.746
45.0	36.628	36.174	40.790	40.429	42.251
47.5	26.460	26.074	29.289	29.302	30.998
50.0	16.292	15.974	17.788	18.175	19.745
52.5	11.331	11.076	12.210	12.827	13.398
55.0	6.370	6.178	6.632	7.478	7.050
57.5	4.311	4.047	4.655	4.869	4.712
60.0	2.251	1.916	2.677	2.259	2.373
62.5	1.877	1.696	2.029	1.605	1.833
65.0	1.502	1.476	1.380	0.951	1.293
67.5	1.422	1.213	1.242	0.830	1.177
70.0	1.341	0.950	1.103	0.708	1.061
72.5	1.088	1.084	1.029	0.892	0.974
75.0	0.835	1.218	0.955	1.075	0.887
77.5	0.916	1.214	1.034	1.131	0.822
80.0	0.997	1.210	1.113	1.187	0.757
82.5	0.930	1.212	1.099	1.169	0.913
85.0	0.862	1.214	1.085	1.151	1.069
87.5	0.431	0.607	1.090	1.198	1.225
90.0	0.000	0.000	1.095	1.244	1.381
92.5	4.251	5.345	4.003	5.372	1.556
95.0	5.367	4.364	5.243	5.402	1.655
97.5	5.522	4.694	5.427	5.104	1.598
100.0	5.676	5.023	5.611	4.806	1.541
102.5	5.535	5.566	5.407	5.126	1.957
105.0	5.394	6.109	5.203	5.445	2.372
107.5	5.504	5.531	5.491	5.071	2.850
110.0	5.614	4.952	5.779	4.696	3.328
112.5	6.138	5.725	6.479	5.353	3.998
115.0	6.661	6.497	7.178	6.009	4.668
117.5	7.444	7.653	8.581	7.173	5.887
120.0	8.227	8.809	9.983	8.337	7.106
122.5	10.963	10.958	12.243	10.686	8.965
125.0	13.698	13.106	14.503	13.035	10.823

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127.5	17.872	17.777	18.874	17.850	14.798
130.0	22.045	22.448	23.244	22.664	18.772
132.5	34.424	35.529	35.403	35.444	29.848
135.0	46.803	48.609	47.562	48.224	40.924
137.5	106.311	107.414	103.155	102.373	94.426
140.0	165.818	166.218	158.747	156.521	147.927
142.5	289.690	284.922	287.141	272.292	262.974
145.0	413.562	403.625	415.534	388.063	378.021
147.5	539.992	525.408	545.185	515.307	507.948
150.0	666.422	647.191	674.836	642.551	637.875
152.5	765.151	749.481	768.266	749.923	743.192
155.0	863.880	851.772	861.696	857.295	848.509
157.5	999.756	984.034	995.660	989.029	979.681
160.0	1135.633	1116.297	1129.625	1120.764	1110.853
162.5	1308.969	1280.601	1296.432	1282.283	1279.253
165.0	1482.305	1444.905	1463.239	1443.802	1447.653
167.5	1633.960	1596.147	1611.853	1595.095	1601.683
170.0	1785.616	1747.390	1760.468	1746.389	1755.714
172.5	1882.593	1853.328	1862.117	1849.257	1860.011
175.0	1979.570	1959.266	1963.765	1952.125	1964.307
177.5	2011.027	2000.875	2003.124	1997.304	2003.395
180.0	2042.000	2042.000	2042.000	2042.000	2042.000

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Zone	Lumens	%Lamp	%Fixt
0-20	626.81	N.A.	24.00
0-30	1053.4	N.A.	40.40
0-40	1254.7	N.A.	48.10
0-60	1298.21	N.A.	49.80
0-80	1300.76	N.A.	49.90
0-90	1301.87	N.A.	49.90
10-90	1110.47	N.A.	42.60
20-40	627.89	N.A.	24.10
20-50	664.07	N.A.	25.50
40-70	44.97	N.A.	1.70
60-80	2.55	N.A.	0.10
70-80	1.10	N.A.	0.00
80-90	1.11	N.A.	0.00
90-110	9.80	N.A.	0.40
90-120	16.31	N.A.	0.60
90-130	29.06	N.A.	1.10
90-150	328.64	N.A.	12.60
90-180	1307.16	N.A.	50.10
110-180	1297.36	N.A.	49.70
0-180	2609.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.40
10-20	435.41
20-30	426.59
30-40	201.30
40-50	36.18
50-60	7.33
60-70	1.45
70-80	1.10
80-90	1.11
90-100	4.50
100-110	5.30
110-120	6.51
120-130	12.75
130-140	51.96
140-150	247.62
150-160	397.52
160-170	400.97
170-180	180.02

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

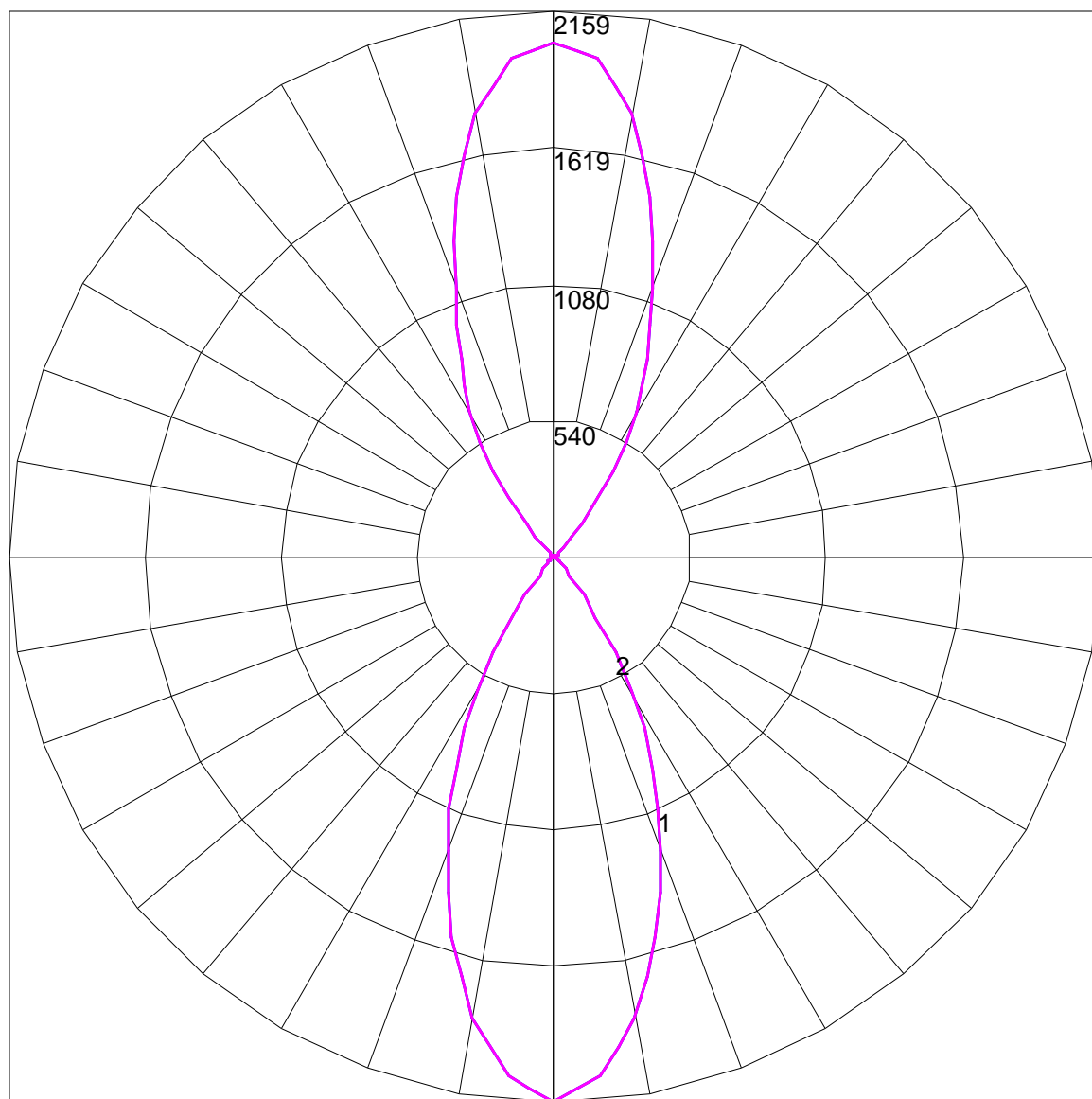
Effective Floor Cavity Reflectance 0.20

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 = 2159.181 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)