

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00423_15 ~ C06XXUDXT-13LXNGL-13LXN-XXKEX-TSG-GL (UP_DOWN).IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00423_15
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/13/2017
 [UPDATE] 1/30/2018
 [LUMCAT] C06xxUDXT-13L-XN-GL-13L-XN-xxK-EX-TSG-GL-xx (Up/Down)
 [LUMINAIRE] Nom. 6" Diam. x 18"H Direct/Indirect Cylinder
 [OTHER] Cylinder also available as 24" H variant
 [OTHER] Uplight: Xtra Narrow Beam, Flush Clear Glass lens
 [OTHER] Uplight: 15 Degree Beam Angle
 [OTHER] Downlight: Xtra Narrow Beam, Regressed Clear Glass lens
 [OTHER] Downlight: 9.7 Degree Beam Angle
 [OTHER] Trim: Semi-diffuse clear anodized aluminum
 [LAMP] N/A
 [LAMPCAT] N/A, 9mm LES Uplight
 [OTHER] N/A, 9mm 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	2438
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	36.8
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	1829	1769	1563
55	427	495	394
65	329	318	234
75	292	343	318
85	987	1208	928

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	0.0	22.5	45.0	67.5	90.0
0.0	12487.750	12487.750	12487.750	12487.750	12487.750
2.5	9282.839	9567.100	9661.130	9594.290	9490.185
5.0	6077.927	6646.450	6834.510	6700.829	6492.620
7.5	3628.926	3922.209	4023.175	3946.835	3832.184
10.0	1179.924	1197.968	1211.839	1192.841	1171.748
12.5	1019.819	1031.337	1034.518	1017.998	998.246
15.0	859.713	864.706	857.196	843.155	824.744
17.5	800.461	801.060	796.209	784.085	770.406
20.0	741.208	737.414	735.222	725.014	716.068
22.5	697.372	692.019	694.008	686.975	677.099
25.0	653.536	646.623	652.794	648.935	638.130
27.5	589.922	583.112	585.673	582.298	571.354
30.0	526.307	519.600	518.552	515.660	504.577
32.5	489.177	492.960	476.577	479.177	435.369
35.0	452.046	466.319	434.602	442.693	366.161
37.5	311.249	298.512	304.666	260.093	233.255
40.0	170.451	130.704	174.729	77.493	100.348
42.5	97.036	76.543	98.784	47.644	60.267
45.0	23.620	22.381	22.838	17.794	20.185
47.5	15.608	14.955	15.749	12.340	14.037
50.0	7.596	7.529	8.659	6.886	7.889
52.5	6.033	6.395	6.924	5.513	6.008
55.0	4.469	5.261	5.188	4.140	4.127
57.5	3.723	4.234	4.572	3.638	3.578
60.0	2.976	3.207	3.956	3.135	3.029
62.5	2.757	2.991	3.206	2.888	2.417
65.0	2.538	2.774	2.456	2.640	1.804
67.5	1.817	2.070	2.131	2.105	1.627
70.0	1.096	1.366	1.805	1.569	1.449
72.5	1.238	1.593	1.712	1.623	1.477
75.0	1.379	1.819	1.619	1.676	1.504
77.5	1.803	1.375	1.513	1.708	1.675
80.0	2.227	0.930	1.407	1.740	1.845
82.5	1.899	1.074	1.665	1.624	1.661
85.0	1.571	1.218	1.923	1.507	1.477
87.5	1.587	1.374	1.983	1.581	1.505
90.0	1.602	1.530	2.043	1.654	1.533
92.5	1.438	3.440	1.910	3.330	2.444
95.0	2.475	3.824	1.955	3.387	1.782
97.5	3.511	4.207	2.000	3.444	1.120
100.0	3.066	3.165	2.421	2.902	1.261
102.5	2.620	2.122	2.842	2.359	1.402
105.0	2.288	2.191	2.267	1.751	1.219
107.5	1.848	2.260	1.691	1.143	1.470
110.0	1.741	1.685	1.622	1.456	1.903
112.5	2.175	1.254	1.849	1.769	2.131
115.0	2.609	1.398	2.146	1.486	2.358
117.5	3.154	2.629	3.122	2.217	3.337
120.0	3.698	3.860	4.097	3.232	4.315
122.5	3.533	4.139	4.172	4.160	4.029
125.0	3.367	4.417	4.246	5.088	3.743

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127.5	3.558	4.419	4.173	3.712	3.644
130.0	3.749	4.421	4.099	2.336	3.545
132.5	6.267	5.355	4.907	2.868	10.985
135.0	8.785	6.288	5.715	3.400	18.424
137.5	52.581	36.601	45.018	32.199	71.938
140.0	96.376	66.914	84.320	60.997	125.452
142.5	176.104	150.396	164.018	141.826	206.865
145.0	255.831	233.878	243.715	222.655	288.278
147.5	296.784	288.322	290.602	278.383	315.796
150.0	337.737	342.766	337.489	334.111	343.314
152.5	352.573	355.575	351.583	345.368	357.219
155.0	367.410	368.384	365.677	356.626	371.125
157.5	388.435	385.901	383.452	372.575	399.108
160.0	409.460	403.419	401.227	388.525	427.092
162.5	550.522	511.638	520.119	481.817	660.546
165.0	691.584	619.857	639.012	575.109	894.002
167.5	1690.187	1423.986	1517.637	1313.583	2371.990
170.0	2688.794	2228.118	2396.266	2052.061	3849.984
172.5	5316.109	4568.823	4889.928	4318.502	6598.107
175.0	7943.412	6909.519	7383.579	6584.935	9346.216
177.5	8956.378	8439.432	8676.462	8277.141	9657.779
180.0	9969.000	9969.000	9969.000	9969.000	9969.000

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Zone	Lumens	%Lamp	%Fixt
0-20	724.76	N.A.	29.70
0-30	1016.47	N.A.	41.70
0-40	1250.97	N.A.	51.30
0-60	1289.03	N.A.	52.90
0-80	1293.13	N.A.	53.00
0-90	1294.85	N.A.	53.10
10-90	820.64	N.A.	33.70
20-40	526.21	N.A.	21.60
20-50	559.71	N.A.	23.00
40-70	40.49	N.A.	1.70
60-80	4.10	N.A.	0.20
70-80	1.67	N.A.	0.10
80-90	1.72	N.A.	0.10
90-110	5.07	N.A.	0.20
90-120	7.33	N.A.	0.30
90-130	10.94	N.A.	0.40
90-150	168.35	N.A.	6.90
90-180	1143.62	N.A.	46.90
110-180	1138.55	N.A.	46.70
0-180	2438.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	474.21
10-20	250.54
20-30	291.71
30-40	234.50
40-50	33.50
50-60	4.55
60-70	2.43
70-80	1.67
80-90	1.72
90-100	2.90
100-110	2.16
110-120	2.26
120-130	3.61
130-140	18.33
140-150	139.08
150-160	169.41
160-170	267.71
170-180	538.15

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

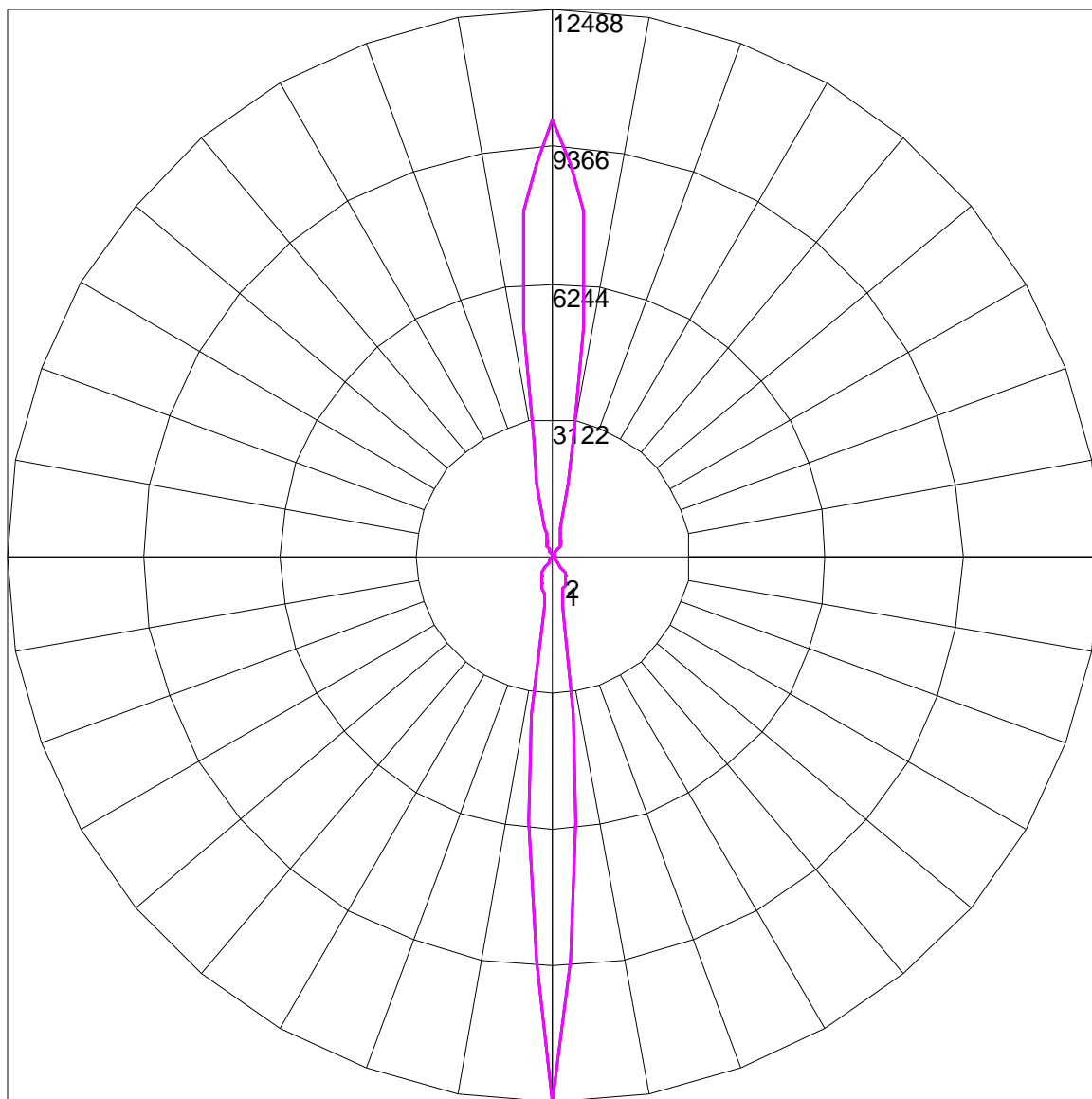
Effective Floor Cavity Reflectance 0.20

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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53
1	101	98	95	93	94	92	89	87	79	77	76	67	66	65	57	56	56	51
2	95	90	86	82	89	84	80	77	73	71	69	64	62	60	54	53	52	48
3	90	83	78	73	84	78	73	70	69	65	63	60	58	56	52	51	50	46
4	85	77	71	67	79	72	67	64	64	61	58	57	54	52	50	48	47	44
5	80	71	65	61	75	68	62	59	61	57	54	54	51	49	48	46	45	42
6	76	67	61	56	71	63	58	54	57	53	50	51	49	46	46	44	43	40
7	72	63	57	53	68	60	55	51	54	50	47	49	46	44	44	42	41	39
8	68	59	53	49	65	57	51	48	52	48	45	47	44	42	43	41	39	37
9	65	56	50	46	62	54	49	45	49	45	43	45	42	40	41	39	38	36
10	62	53	48	44	59	51	46	43	47	43	41	43	40	38	40	38	36	35

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POLAR GRAPH



Maximum Candela = 12487.75 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)