

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DP12LEDXT-10LXXKEX-XXXX-XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00557_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/25/2017
[UPDATE] 5/3/2017
[LUMINAIRE] 11.5" diam. x 14.6" high, curved profile, white glass pendant
[LUMCAT] DP12LEDXT-10L-xxK-EX-xxxx-xx
[OTHER] Matte white glass, Open aperture
[OTHER] Fully regressed LED module
[OTHER] 68.6 Degree Beam Angle
[LAMP] N/A, Min. 83 CRI
[LAMPCAT] N/A
[OTHER] Total Luminaire Watts is approximate
[OTHER] For adjacent LED driver compartment: RDC5 or CP13
[OTHER] For mounting hardware: CD, HM, HMAT, or PM
[OTHER] Xicato LED lumen output is the same for all available color temperatures
[OTHER] This report generated by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	856
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.96 ft (Diameter)
Luminous Width (90-270)	0.96 ft (Diameter)
Luminous Height	0.72 ft

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PHOTOMETRIC FILENAME : DP12LEDXT-10LXXKEX-XXXX-XX.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	785	799	826
55	597	612	626
65	479	486	505
75	417	424	433
85	387	397	411

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PHOTOMETRIC FILENAME : DP12LEDXT-10LXXKEX-XXXX-XX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	472.831	472.831	472.831	472.831	472.831	472.831	472.831	472.831	472.831	472.831
5	465.863	467.694	466.885	468.238	467.511	468.238	466.885	467.694	465.863	467.694
10	454.616	455.479	455.442	455.207	454.825	455.207	455.442	455.479	454.616	455.479
15	437.689	438.691	437.832	438.283	436.780	438.283	437.832	438.691	437.689	438.691
20	413.110	415.801	414.398	415.959	413.589	415.959	414.398	415.801	413.110	415.801
25	388.972	391.758	390.802	392.316	390.199	392.316	390.802	391.758	388.972	391.758
30	367.556	369.089	368.314	365.810	368.464	365.810	368.314	369.089	367.556	369.089
35	207.688	215.840	197.283	229.478	205.892	229.478	197.283	215.840	207.688	215.840
40	88.434	96.587	95.064	91.918	93.031	91.918	95.064	96.587	88.434	96.587
45	73.007	73.917	74.382	76.066	76.814	76.066	74.382	73.917	73.007	73.917
50	63.257	64.866	64.394	66.578	66.525	66.578	64.394	64.866	63.257	64.866
55	54.525	56.394	55.864	57.206	57.159	57.206	55.864	56.394	54.525	56.394
60	47.869	48.369	48.220	49.094	48.878	49.094	48.220	48.369	47.869	48.369
65	41.487	42.948	42.165	42.995	43.742	42.995	42.165	42.948	41.487	42.948
70	36.710	38.142	37.821	38.332	37.856	38.332	37.821	38.142	36.710	38.142
75	33.151	33.972	33.706	34.495	34.462	34.495	33.706	33.972	33.151	33.972
80	29.976	30.743	31.272	31.251	30.661	31.251	31.272	30.743	29.976	30.743
85	27.031	27.412	27.733	28.494	28.730	28.494	27.733	27.412	27.031	27.412
90	25.122	26.248	26.364	27.124	27.220	27.124	26.364	26.248	25.122	26.248
95	26.628	27.394	28.315	27.795	28.525	27.795	28.315	27.394	26.628	27.394
100	27.811	29.241	29.904	30.806	30.458	30.806	29.904	29.241	27.811	29.241
105	29.495	29.900	31.276	31.290	31.625	31.290	31.276	29.900	29.495	29.900
110	30.755	31.637	32.762	33.152	32.958	33.152	32.762	31.637	30.755	31.637
115	31.038	32.605	33.424	34.047	34.224	34.047	33.424	32.605	31.038	32.605
120	30.560	32.055	33.846	35.119	34.032	35.119	33.846	32.055	30.560	32.055
125	26.452	30.191	33.839	35.126	32.691	35.126	33.839	30.191	26.452	30.191
130	18.351	22.323	31.503	35.421	31.562	35.421	31.503	22.323	18.351	22.323
135	10.204	14.900	25.883	33.339	29.392	33.339	25.883	14.900	10.204	14.900
140	4.250	7.174	17.817	27.000	25.631	27.000	17.817	7.174	4.250	7.174
145	1.828	2.741	10.005	19.055	19.476	19.055	10.005	2.741	1.828	2.741
150	1.230	1.410	4.870	11.614	12.441	11.614	4.870	1.410	1.230	1.410
155	1.245	1.303	2.460	5.237	6.129	5.237	2.460	1.303	1.245	1.303
160	1.248	1.348	1.447	2.197	2.310	2.197	1.447	1.348	1.248	1.348
165	1.461	1.276	1.358	1.530	1.125	1.530	1.358	1.276	1.461	1.276
170	1.225	1.159	1.446	1.568	1.308	1.568	1.446	1.159	1.225	1.159
175	1.430	1.438	1.239	1.215	1.500	1.215	1.239	1.438	1.430	1.438
180	1.287	1.287	1.287	1.287	1.287	1.287	1.287	1.287	1.287	1.287

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	472.831	472.831	472.831	472.831	472.831	472.831	472.831
5	466.885	468.238	467.511	468.238	466.885	467.694	465.863
10	455.442	455.207	454.825	455.207	455.442	455.479	454.616
15	437.832	438.283	436.780	438.283	437.832	438.691	437.689
20	414.398	415.959	413.589	415.959	414.398	415.801	413.110
25	390.802	392.316	390.199	392.316	390.802	391.758	388.972
30	368.314	365.810	368.464	365.810	368.314	369.089	367.556
35	197.283	229.478	205.892	229.478	197.283	215.840	207.688
40	95.064	91.918	93.031	91.918	95.064	96.587	88.434
45	74.382	76.066	76.814	76.066	74.382	73.917	73.007
50	64.394	66.578	66.525	66.578	64.394	64.866	63.257
55	55.864	57.206	57.159	57.206	55.864	56.394	54.525
60	48.220	49.094	48.878	49.094	48.220	48.369	47.869

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PHOTOMETRIC FILENAME : DP12LEDXT-10LXXKEX-XXXX-XX.IES

CANDELA TABULATION - (Cont.)

65	42.165	42.995	43.742	42.995	42.165	42.948	41.487
70	37.821	38.332	37.856	38.332	37.821	38.142	36.710
75	33.706	34.495	34.462	34.495	33.706	33.972	33.151
80	31.272	31.251	30.661	31.251	31.272	30.743	29.976
85	27.733	28.494	28.730	28.494	27.733	27.412	27.031
90	26.364	27.124	27.220	27.124	26.364	26.248	25.122
95	28.315	27.795	28.525	27.795	28.315	27.394	26.628
100	29.904	30.806	30.458	30.806	29.904	29.241	27.811
105	31.276	31.290	31.625	31.290	31.276	29.900	29.495
110	32.762	33.152	32.958	33.152	32.762	31.637	30.755
115	33.424	34.047	34.224	34.047	33.424	32.605	31.038
120	33.846	35.119	34.032	35.119	33.846	32.055	30.560
125	33.839	35.126	32.691	35.126	33.839	30.191	26.452
130	31.503	35.421	31.562	35.421	31.503	22.323	18.351
135	25.883	33.339	29.392	33.339	25.883	14.900	10.204
140	17.817	27.000	25.631	27.000	17.817	7.174	4.250
145	10.005	19.055	19.476	19.055	10.005	2.741	1.828
150	4.870	11.614	12.441	11.614	4.870	1.410	1.230
155	2.460	5.237	6.129	5.237	2.460	1.303	1.245
160	1.447	2.197	2.310	2.197	1.447	1.348	1.248
165	1.358	1.530	1.125	1.530	1.358	1.276	1.461
170	1.446	1.568	1.308	1.568	1.446	1.159	1.225
175	1.239	1.215	1.500	1.215	1.239	1.438	1.430
180	1.287	1.287	1.287	1.287	1.287	1.287	1.287

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	167.52	N.A.	19.60
0-30	348.09	N.A.	40.70
0-40	484.57	N.A.	56.60
0-60	594.69	N.A.	69.50
0-80	673.42	N.A.	78.70
0-90	704.27	N.A.	82.30
10-90	660.03	N.A.	77.10
20-40	317.05	N.A.	37.00
20-50	376.52	N.A.	44.00
40-70	152.69	N.A.	17.80
60-80	78.73	N.A.	9.20
70-80	36.15	N.A.	4.20
80-90	30.85	N.A.	3.60
90-110	63.18	N.A.	7.40
90-120	95.94	N.A.	11.20
90-130	124.29	N.A.	14.50
90-150	149.28	N.A.	17.40
90-180	151.52	N.A.	17.70
110-180	88.34	N.A.	10.30
0-180	855.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.24
10-20	123.28
20-30	180.58
30-40	136.47
40-50	59.47
50-60	50.65
60-70	42.57
70-80	36.15
80-90	30.85
90-100	30.49
100-110	32.69
110-120	32.76
120-130	28.35
130-140	17.96
140-150	7.04
150-160	1.69
160-170	0.41
170-180	0.13

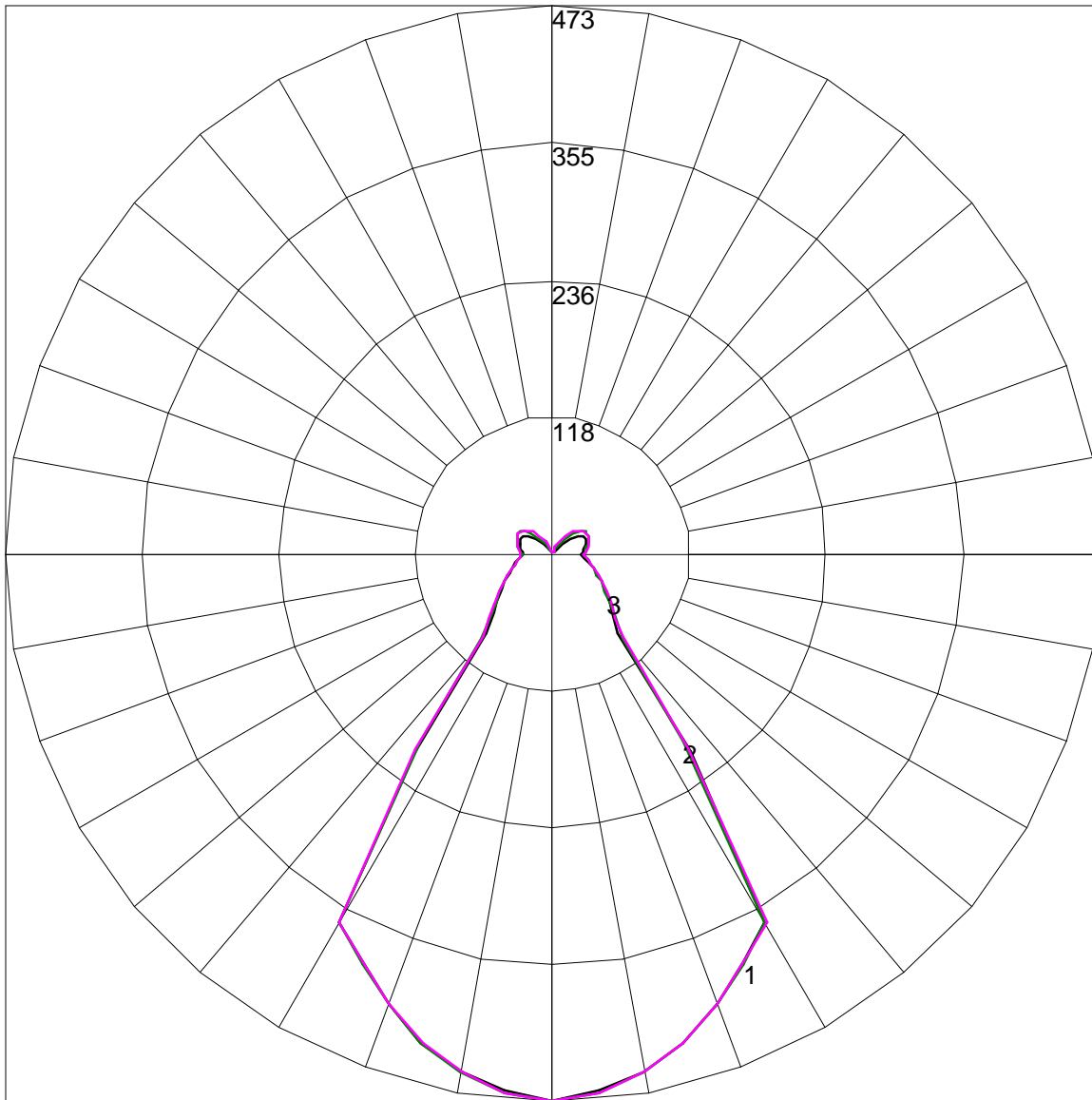
IES INDOOR REPORT
PHOTOMETRIC FILENAME : DP12LEDXT-10LXXKEX-XXXX-XX.IES

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	75	74	70
2	98	90	85	80	93	87	82	77	81	77	73	75	72	69	70	67	65	62
3	91	82	75	69	87	79	72	67	73	68	64	68	64	61	64	61	58	55
4	84	74	67	61	81	72	65	60	67	62	57	63	58	54	59	55	52	50
5	79	68	60	55	76	66	59	53	62	56	51	58	53	49	55	51	47	45
6	74	62	55	49	71	60	53	48	57	51	47	54	49	45	51	47	43	41
7	69	58	50	45	66	56	49	44	53	47	43	50	45	41	47	43	40	38
8	65	53	46	41	63	52	45	40	49	43	39	47	42	38	44	40	37	35
9	61	50	42	38	59	48	42	37	46	40	36	44	39	35	42	37	34	32
10	58	46	39	35	56	45	39	34	43	37	33	41	36	33	39	35	32	30

POLAR GRAPH



Maximum Candela = 472.831 Located At Horizontal Angle = 0, Vertical Angle = 0

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

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)