

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DP12LEDXT-30LXXKEX-XXXX-XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00557
[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-30L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2660
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	32.6
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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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2439	2485	2566
55	1857	1903	1947
65	1487	1512	1568
75	1296	1318	1347
85	1202	1233	1278

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790
5	1448.130	1453.821	1451.306	1455.510	1453.253	1455.510	1451.306	1453.821	1448.130	1453.821
10	1413.167	1415.851	1415.735	1415.006	1413.817	1415.006	1415.735	1415.851	1413.167	1415.851
15	1360.549	1363.666	1360.996	1362.396	1357.726	1362.396	1360.996	1363.666	1360.549	1363.666
20	1284.147	1292.513	1288.149	1293.004	1285.637	1293.004	1288.149	1292.513	1284.147	1292.513
25	1209.113	1217.775	1214.803	1219.508	1212.928	1219.508	1214.803	1217.775	1209.113	1217.775
30	1142.544	1147.308	1144.899	1137.114	1145.365	1137.114	1144.899	1147.308	1142.544	1147.308
35	645.596	670.937	613.252	713.328	640.012	713.328	613.252	670.937	645.596	670.937
40	274.895	300.238	295.505	285.727	289.186	285.727	295.505	300.238	274.895	300.238
45	226.942	229.770	231.214	236.450	238.776	236.450	231.214	229.770	226.942	229.770
50	196.635	201.634	200.167	206.958	206.791	206.958	200.167	201.634	196.635	201.634
55	169.491	175.299	173.651	177.825	177.677	177.825	173.651	175.299	169.491	175.299
60	148.801	150.353	149.892	152.609	151.937	152.609	149.892	150.353	148.801	150.353
65	128.962	133.504	131.070	133.648	135.971	133.648	131.070	133.504	128.962	133.504
70	114.113	118.564	117.566	119.153	117.674	119.153	117.566	118.564	114.113	118.564
75	103.049	105.603	104.775	107.226	107.124	107.226	104.775	105.603	103.049	105.603
80	93.181	95.564	97.209	97.142	95.309	97.142	97.209	95.564	93.181	95.564
85	84.026	85.209	86.208	88.572	89.306	88.572	86.208	85.209	84.026	85.209
90	78.092	81.593	81.952	84.316	84.613	84.316	81.952	81.593	78.092	81.593
95	82.773	85.154	88.018	86.401	88.671	86.401	88.018	85.154	82.773	85.154
100	86.449	90.894	92.956	95.759	94.679	95.759	92.956	90.894	86.449	90.894
105	91.685	92.944	97.222	97.266	98.306	97.266	97.222	92.944	91.685	92.944
110	95.600	98.344	101.839	103.051	102.448	103.051	101.839	98.344	95.600	98.344
115	96.480	101.352	103.897	105.834	106.384	105.834	103.897	101.352	96.480	101.352
120	94.996	99.642	105.211	109.166	105.787	109.166	105.211	99.642	94.996	99.642
125	82.226	93.848	105.187	109.190	101.620	109.190	105.187	93.848	82.226	93.848
130	57.043	69.392	97.926	110.107	98.110	110.107	97.926	69.392	57.043	69.392
135	31.718	46.315	80.458	103.633	91.364	103.633	80.458	46.315	31.718	46.315
140	13.210	22.300	55.383	83.930	79.674	83.930	55.383	22.300	13.210	22.300
145	5.682	8.520	31.100	59.231	60.540	59.231	31.100	8.520	5.682	8.520
150	3.824	4.383	15.139	36.103	38.673	36.103	15.139	4.383	3.824	4.383
155	3.870	4.049	7.646	16.279	19.053	16.279	7.646	4.049	3.870	4.049
160	3.880	4.190	4.498	6.830	7.180	6.830	4.498	4.190	3.880	4.190
165	4.540	3.965	4.222	4.756	3.497	4.756	4.222	3.965	4.540	3.965
170	3.809	3.604	4.495	4.875	4.065	4.875	4.495	3.604	3.809	3.604
175	4.445	4.469	3.851	3.777	4.662	3.777	3.851	4.469	4.445	4.469
180	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790	1469.790
5	1451.306	1455.510	1453.253	1455.510	1451.306	1453.821	1448.130
10	1415.735	1415.006	1413.817	1415.006	1415.735	1415.851	1413.167
15	1360.996	1362.396	1357.726	1362.396	1360.996	1363.666	1360.549
20	1288.149	1293.004	1285.637	1293.004	1288.149	1292.513	1284.147
25	1214.803	1219.508	1212.928	1219.508	1214.803	1217.775	1209.113
30	1144.899	1137.114	1145.365	1137.114	1144.899	1147.308	1142.544
35	613.252	713.328	640.012	713.328	613.252	670.937	645.596
40	295.505	285.727	289.186	285.727	295.505	300.238	274.895
45	231.214	236.450	238.776	236.450	231.214	229.770	226.942
50	200.167	206.958	206.791	206.958	200.167	201.634	196.635
55	173.651	177.825	177.677	177.825	173.651	175.299	169.491
60	149.892	152.609	151.937	152.609	149.892	150.353	148.801

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CANDELA TABULATION - (Cont.)

65	131.070	133.648	135.971	133.648	131.070	133.504	128.962
70	117.566	119.153	117.674	119.153	117.566	118.564	114.113
75	104.775	107.226	107.124	107.226	104.775	105.603	103.049
80	97.209	97.142	95.309	97.142	97.209	95.564	93.181
85	86.208	88.572	89.306	88.572	86.208	85.209	84.026
90	81.952	84.316	84.613	84.316	81.952	81.593	78.092
95	88.018	86.401	88.671	86.401	88.018	85.154	82.773
100	92.956	95.759	94.679	95.759	92.956	90.894	86.449
105	97.222	97.266	98.306	97.266	97.222	92.944	91.685
110	101.839	103.051	102.448	103.051	101.839	98.344	95.600
115	103.897	105.834	106.384	105.834	103.897	101.352	96.480
120	105.211	109.166	105.787	109.166	105.211	99.642	94.996
125	105.187	109.190	101.620	109.190	105.187	93.848	82.226
130	97.926	110.107	98.110	110.107	97.926	69.392	57.043
135	80.458	103.633	91.364	103.633	80.458	46.315	31.718
140	55.383	83.930	79.674	83.930	55.383	22.300	13.210
145	31.100	59.231	60.540	59.231	31.100	8.520	5.682
150	15.139	36.103	38.673	36.103	15.139	4.383	3.824
155	7.646	16.279	19.053	16.279	7.646	4.049	3.870
160	4.498	6.830	7.180	6.830	4.498	4.190	3.880
165	4.222	4.756	3.497	4.756	4.222	3.965	4.540
170	4.495	4.875	4.065	4.875	4.495	3.604	3.809
175	3.851	3.777	4.662	3.777	3.851	4.469	4.445
180	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	520.73	N.A.	19.60
0-30	1082.05	N.A.	40.70
0-40	1506.27	N.A.	56.60
0-60	1848.59	N.A.	69.50
0-80	2093.3	N.A.	78.70
0-90	2189.21	N.A.	82.30
10-90	2051.68	N.A.	77.10
20-40	985.54	N.A.	37.00
20-50	1170.4	N.A.	44.00
40-70	474.65	N.A.	17.80
60-80	244.72	N.A.	9.20
70-80	112.38	N.A.	4.20
80-90	95.91	N.A.	3.60
90-110	196.39	N.A.	7.40
90-120	298.23	N.A.	11.20
90-130	386.35	N.A.	14.50
90-150	464.04	N.A.	17.40
90-180	470.99	N.A.	17.70
110-180	274.60	N.A.	10.30
0-180	2660.2	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.53
10-20	383.20
20-30	561.32
30-40	424.22
40-50	184.86
50-60	157.46
60-70	132.33
70-80	112.38
80-90	95.91
90-100	94.77
100-110	101.62
110-120	101.83
120-130	88.12
130-140	55.83
140-150	21.87
150-160	5.27
160-170	1.29
170-180	0.40

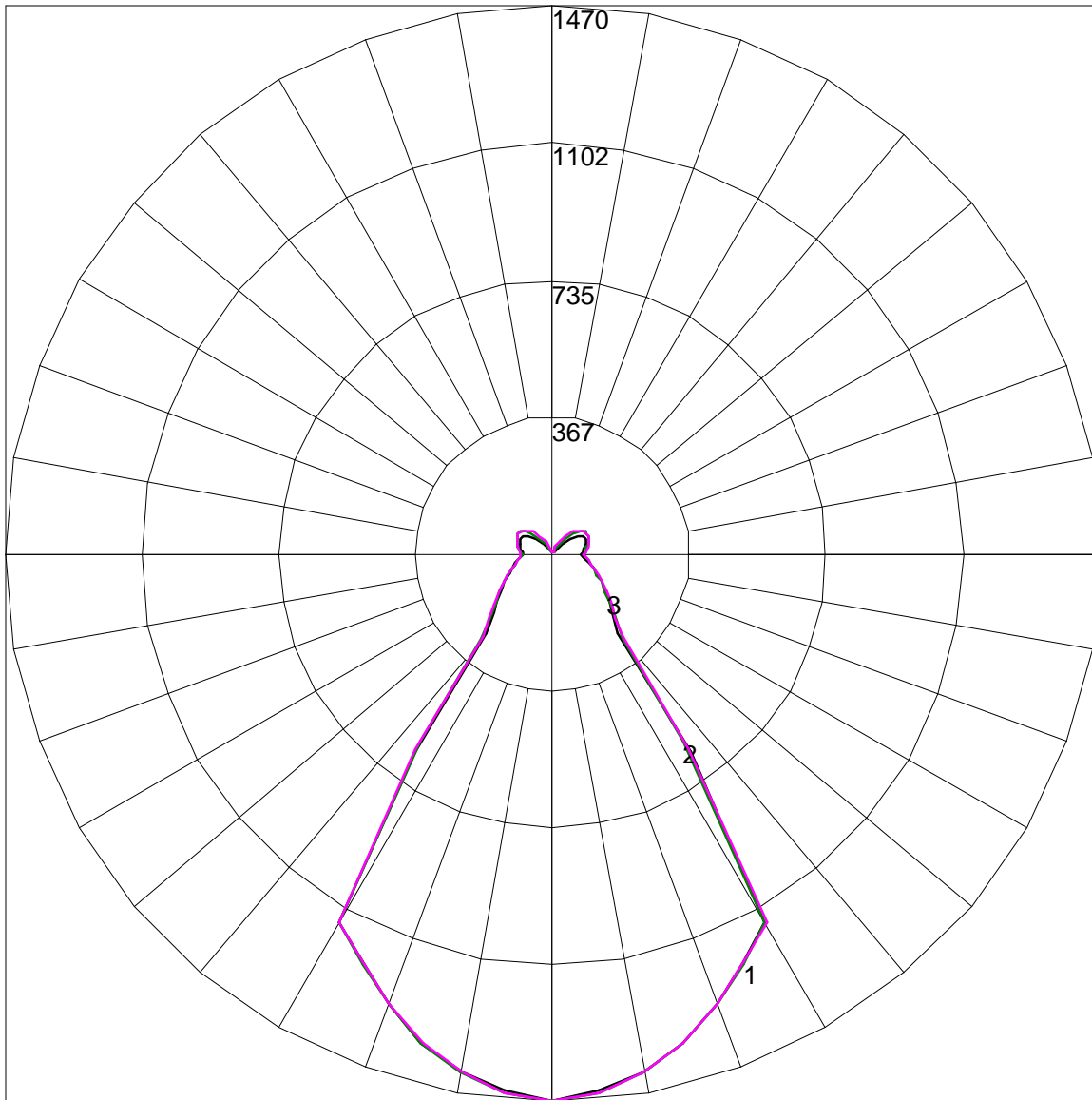
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	91	85	80	93	87	82	77	81	77	73	75	72	69	70	67	65	62
3	91	82	75	69	87	79	73	67	73	68	64	69	64	61	64	61	58	55
4	84	74	67	61	81	72	65	60	67	62	57	63	58	55	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 = 1469.79 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)