

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P601235

Luminaire Tested: 14D3X-LP-40-L835

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601235  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-40-L835  
Description: 1x4 D3X-LP AT 4000lm 3500K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

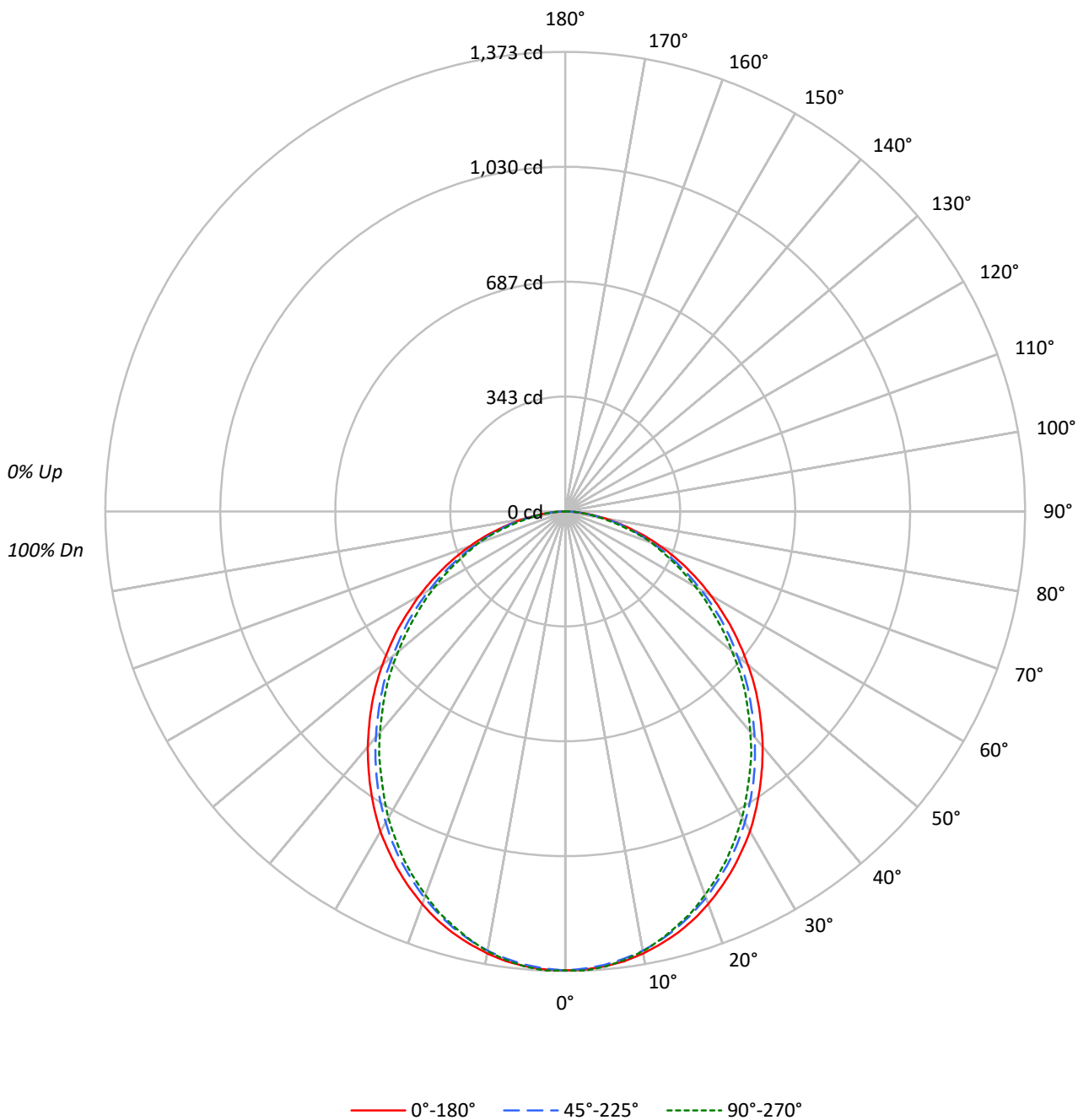
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3392.0 lumens  
Efficiency: N/A  
Efficacy: 89.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 37.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3690	3690	3690
5°	3684	3672	3687
10°	3663	3642	3647
15°	3628	3589	3576
20°	3574	3517	3492
25°	3507	3433	3396
30°	3429	3332	3282
35°	3326	3221	3150
40°	3221	3090	3021
45°	3106	2957	2885
50°	2980	2812	2722
55°	2850	2678	2565
60°	2703	2516	2415
65°	2550	2357	2255
70°	2372	2197	2168
75°	2133	2032	1883
80°	1880	1756	1618
85°	1516	1516	1488

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3106 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.2	3.8
10°-20°	363.7	10.7
20°-30°	533.3	15.7
30°-40°	614.3	18.1
40°-50°	602.8	17.8
50°-60°	512.9	15.1
60°-70°	370.8	10.9
70°-80°	207.2	6.1
80°-90°	57.7	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1026.3	30.3
0°-40°	1640.6	48.4
0°-60°	2756.3	81.3
0°-90°	3392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3392.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1371	1371	1371	1371	1371	
5°	1364	1364	1360	1364	1365	129
15°	1302	1298	1288	1286	1284	367
25°	1181	1171	1156	1147	1144	544
35°	1012	999	980	965	959	633
45°	816	800	777	762	758	629
55°	608	591	571	555	547	543
65°	400	390	370	356	354	397
75°	205	202	195	184	181	220
85°	49	52	49	48	48	58
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1371.1	1371.1	1371.1	1371.1	1371.1
2.5°	1369.3	1369.3	1366.6	1372.0	1372.8
5°	1363.9	1363.9	1359.5	1363.9	1364.8
7.5°	1355.0	1353.2	1347.9	1351.4	1351.4
10°	1340.7	1339.0	1332.7	1333.6	1334.5
12.5°	1322.9	1320.2	1312.2	1311.3	1310.4
15°	1302.4	1297.9	1288.1	1286.3	1283.6
17.5°	1277.4	1271.2	1259.6	1256.9	1255.1
20°	1248.0	1239.9	1228.3	1222.1	1219.4
22.5°	1215.8	1206.9	1192.7	1186.4	1182.8
25°	1181.1	1171.2	1156.1	1147.2	1143.6
27.5°	1142.7	1132.0	1115.9	1104.3	1099.9
30°	1103.5	1090.1	1072.2	1060.6	1056.2
32.5°	1058.8	1044.6	1027.6	1013.4	1007.1
35°	1012.5	999.1	980.4	965.2	958.9
37.5°	965.2	952.7	930.4	917.0	912.6
40°	917.0	902.7	879.6	863.5	859.9
42.5°	866.2	853.7	827.8	814.4	808.2
45°	816.2	800.2	777.0	761.8	758.2
47.5°	765.4	747.5	727.0	710.1	705.6
50°	711.8	695.8	671.7	656.5	650.3
52.5°	659.2	644.9	620.9	603.9	599.5
55°	607.5	591.4	570.9	554.8	546.8
57.5°	553.1	540.6	519.2	504.0	497.8
60°	502.2	487.9	467.4	454.9	448.7
62.5°	450.5	436.2	419.3	405.9	400.5
65°	400.5	389.8	370.2	355.9	354.1
67.5°	350.6	341.7	324.7	310.4	311.3
70°	301.5	293.5	279.2	270.3	275.6
72.5°	255.1	250.7	234.6	228.4	231.0
75°	205.2	202.5	195.4	183.8	181.1
77.5°	163.2	165.0	157.0	142.7	139.2
80°	121.3	125.8	113.3	108.8	104.4
82.5°	83.9	90.1	79.4	75.8	74.0
85°	49.1	51.7	49.1	48.2	48.2
87.5°	20.5	24.1	24.1	25.0	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)