

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: P601259

Luminaire Tested: 14D3X-LP-60-L835

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601259  
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-60-L835  
Description: 1x4 D3X-LP AT 6000lm 3500K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

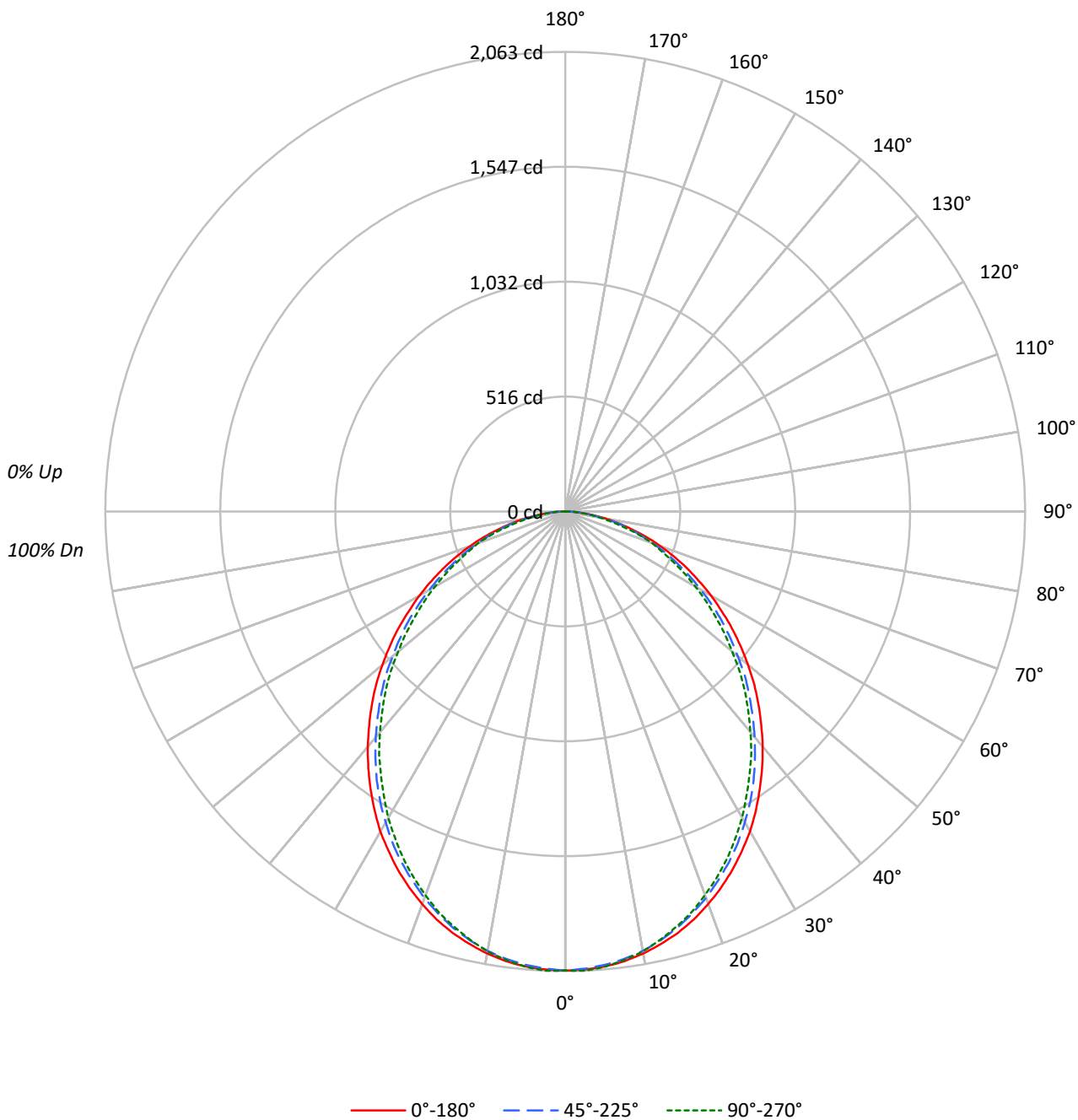
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5098.0 lumens  
Efficiency: N/A  
Efficacy: 86.0 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): 59.3  
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°	5545	5545	5545
5°	5537	5519	5541
10°	5506	5473	5481
15°	5453	5394	5375
20°	5371	5287	5248
25°	5271	5159	5103
30°	5153	5007	4932
35°	4999	4840	4734
40°	4841	4644	4540
45°	4668	4444	4337
50°	4479	4226	4092
55°	4283	4025	3856
60°	4062	3781	3630
65°	3833	3543	3389
70°	3566	3301	3260
75°	3206	3053	2830
80°	2825	2639	2431
85°	2276	2276	2235

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4668 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	194.2	3.8
10°-20°	546.6	10.7
20°-30°	801.6	15.7
30°-40°	923.3	18.1
40°-50°	906.0	17.8
50°-60°	770.8	15.1
60°-70°	557.3	10.9
70°-80°	311.4	6.1
80°-90°	86.7	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°	1542.4	30.3
0°-40°	2465.7	48.4
0°-60°	4142.5	81.3
0°-90°	5098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5098.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2061	2061	2061	2061	2061	
5°	2050	2050	2043	2050	2051	195
15°	1957	1951	1936	1933	1929	552
25°	1775	1760	1738	1724	1719	817
35°	1522	1502	1473	1451	1441	952
45°	1227	1203	1168	1145	1140	946
55°	913	889	858	834	822	815
65°	602	586	556	535	532	596
75°	308	304	294	276	272	331
85°	74	78	74	72	72	87
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2060.6	2060.6	2060.6	2060.6	2060.6
2.5°	2058.0	2058.0	2053.9	2062.0	2063.3
5°	2049.9	2049.9	2043.2	2049.9	2051.3
7.5°	2036.5	2033.8	2025.8	2031.1	2031.1
10°	2015.1	2012.4	2003.0	2004.3	2005.7
12.5°	1988.2	1984.2	1972.2	1970.8	1969.5
15°	1957.4	1950.7	1936.0	1933.3	1929.2
17.5°	1919.9	1910.5	1893.1	1889.0	1886.3
20°	1875.6	1863.6	1846.1	1836.7	1832.7
22.5°	1827.4	1814.0	1792.5	1783.1	1777.8
25°	1775.1	1760.3	1737.5	1724.1	1718.8
27.5°	1717.4	1701.3	1677.2	1659.8	1653.1
30°	1658.4	1638.3	1611.5	1594.1	1587.4
32.5°	1591.4	1569.9	1544.5	1523.0	1513.6
35°	1521.7	1501.6	1473.4	1450.6	1441.2
37.5°	1450.6	1431.9	1398.3	1378.2	1371.5
40°	1378.2	1356.8	1321.9	1297.8	1292.4
42.5°	1301.8	1283.0	1244.2	1224.0	1214.7
45°	1226.7	1202.6	1167.7	1144.9	1139.6
47.5°	1150.3	1123.5	1092.7	1067.2	1060.5
50°	1069.9	1045.7	1009.5	986.7	977.4
52.5°	990.8	969.3	933.1	907.6	900.9
55°	913.0	888.9	858.0	833.9	821.8
57.5°	831.2	812.5	780.3	757.5	748.1
60°	754.8	733.4	702.5	683.8	674.4
62.5°	677.0	655.6	630.1	610.0	602.0
65°	602.0	585.9	556.4	534.9	532.3
67.5°	526.9	513.5	488.0	466.6	467.9
70°	453.2	441.1	419.6	406.2	414.3
72.5°	383.4	376.7	352.6	343.2	347.2
75°	308.4	304.3	293.6	276.2	272.2
77.5°	245.3	248.0	236.0	214.5	209.1
80°	182.3	189.0	170.3	163.6	156.9
82.5°	126.0	135.4	119.3	114.0	111.3
85°	73.7	77.8	73.7	72.4	72.4
87.5°	30.8	36.2	36.2	37.5	38.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)