

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: P601258

Luminaire Tested: 14D3X-LP-60-L830

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601258  
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-L830  
Description: 1x4 D3X-LP AT 6000lm 3000K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

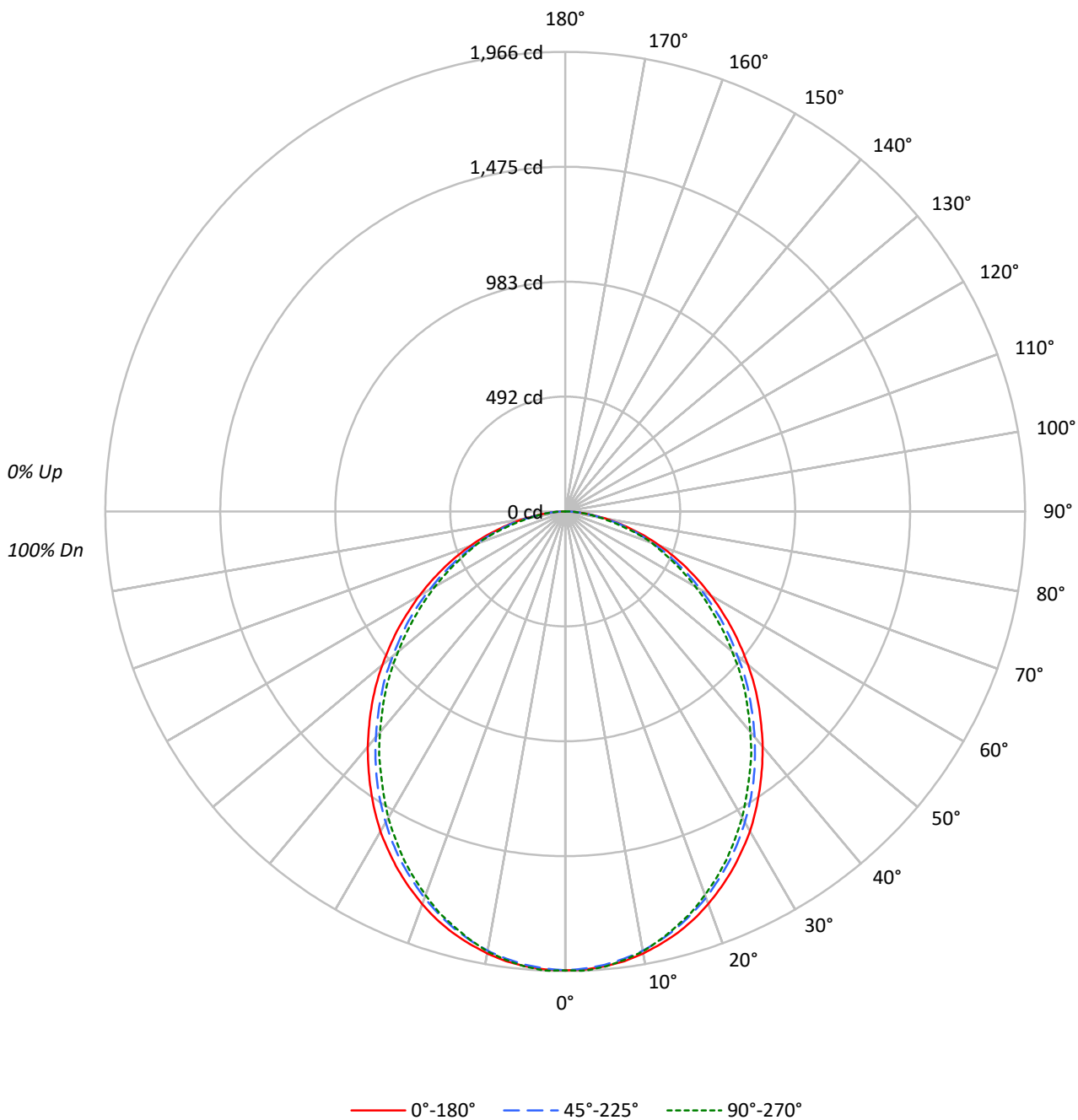
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4857.0 lumens  
Efficiency: N/A  
Efficacy: 81.9 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



TEST NUMBER: P601258  
CATALOG NUMBER: 14D3X-LP-60-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P601258  
 CATALOG NUMBER: 14D3X-LP-60-L830

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

RF	20				20				20				20				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
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°	5283	5283	5283
5°	5276	5258	5279
10°	5246	5214	5222
15°	5195	5138	5120
20°	5117	5037	5000
25°	5021	4915	4862
30°	4909	4771	4699
35°	4762	4612	4511
40°	4613	4424	4325
45°	4448	4234	4132
50°	4267	4026	3898
55°	4081	3835	3674
60°	3870	3602	3458
65°	3652	3375	3229
70°	3397	3146	3105
75°	3055	2908	2696
80°	2692	2514	2315
85°	2171	2171	2130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4448 cd/sqm



TEST NUMBER: P601258  
 CATALOG NUMBER: 14D3X-LP-60-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.0	3.8
10°-20°	520.8	10.7
20°-30°	763.7	15.7
30°-40°	879.7	18.1
40°-50°	863.1	17.8
50°-60°	734.4	15.1
60°-70°	531.0	10.9
70°-80°	296.7	6.1
80°-90°	82.7	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°	1469.5	30.3
0°-40°	2349.2	48.4
0°-60°	3946.7	81.3
0°-90°	4857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4857.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1963	1963	1963	1963	1963	
5°	1953	1953	1947	1953	1954	185
15°	1865	1858	1844	1842	1838	525
25°	1691	1677	1655	1643	1638	778
35°	1450	1431	1404	1382	1373	907
45°	1169	1146	1112	1091	1086	901
55°	870	847	818	794	783	777
65°	574	558	530	510	507	568
75°	294	290	280	263	259	315
85°	70	74	70	69	69	83
90°	0	0	0	0	0	



TEST NUMBER: P601258  
 CATALOG NUMBER: 14D3X-LP-60-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1963.2	1963.2	1963.2	1963.2	1963.2
2.5°	1960.7	1960.7	1956.8	1964.5	1965.8
5°	1953.0	1953.0	1946.6	1953.0	1954.3
7.5°	1940.2	1937.7	1930.0	1935.1	1935.1
10°	1919.8	1917.2	1908.3	1909.6	1910.9
12.5°	1894.2	1890.4	1878.9	1877.6	1876.4
15°	1864.9	1858.5	1844.4	1841.9	1838.0
17.5°	1829.1	1820.2	1803.6	1799.7	1797.2
20°	1787.0	1775.5	1758.9	1749.9	1746.1
22.5°	1741.0	1728.2	1707.8	1698.8	1693.7
25°	1691.2	1677.1	1655.4	1642.6	1637.5
27.5°	1636.2	1620.9	1597.9	1581.3	1574.9
30°	1580.0	1560.9	1535.3	1518.7	1512.3
32.5°	1516.2	1495.7	1471.5	1451.0	1442.1
35°	1449.7	1430.6	1403.8	1382.0	1373.1
37.5°	1382.0	1364.2	1332.2	1313.1	1306.7
40°	1313.1	1292.6	1259.4	1236.4	1231.3
42.5°	1240.3	1222.4	1185.3	1166.2	1157.2
45°	1168.7	1145.7	1112.5	1090.8	1085.7
47.5°	1095.9	1070.4	1041.0	1016.7	1010.4
50°	1019.3	996.3	961.8	940.1	931.2
52.5°	943.9	923.5	889.0	864.7	858.4
55°	869.8	846.9	817.5	794.5	783.0
57.5°	791.9	774.0	743.4	721.7	712.7
60°	719.1	698.7	669.3	651.4	642.5
62.5°	645.0	624.6	600.3	581.2	573.5
65°	573.5	558.2	530.1	509.6	507.1
67.5°	502.0	489.2	464.9	444.5	445.8
70°	431.7	420.2	399.8	387.0	394.7
72.5°	365.3	358.9	335.9	327.0	330.8
75°	293.8	289.9	279.7	263.1	259.3
77.5°	233.7	236.3	224.8	204.4	199.3
80°	173.7	180.1	162.2	155.8	149.4
82.5°	120.1	129.0	113.7	108.6	106.0
85°	70.3	74.1	70.3	69.0	69.0
87.5°	29.4	34.5	34.5	35.8	37.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)