

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P258394

Luminaire Tested: **D3X-WD-60L830-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258394  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-60L830-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF  
Light Source: (252) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5259.1 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

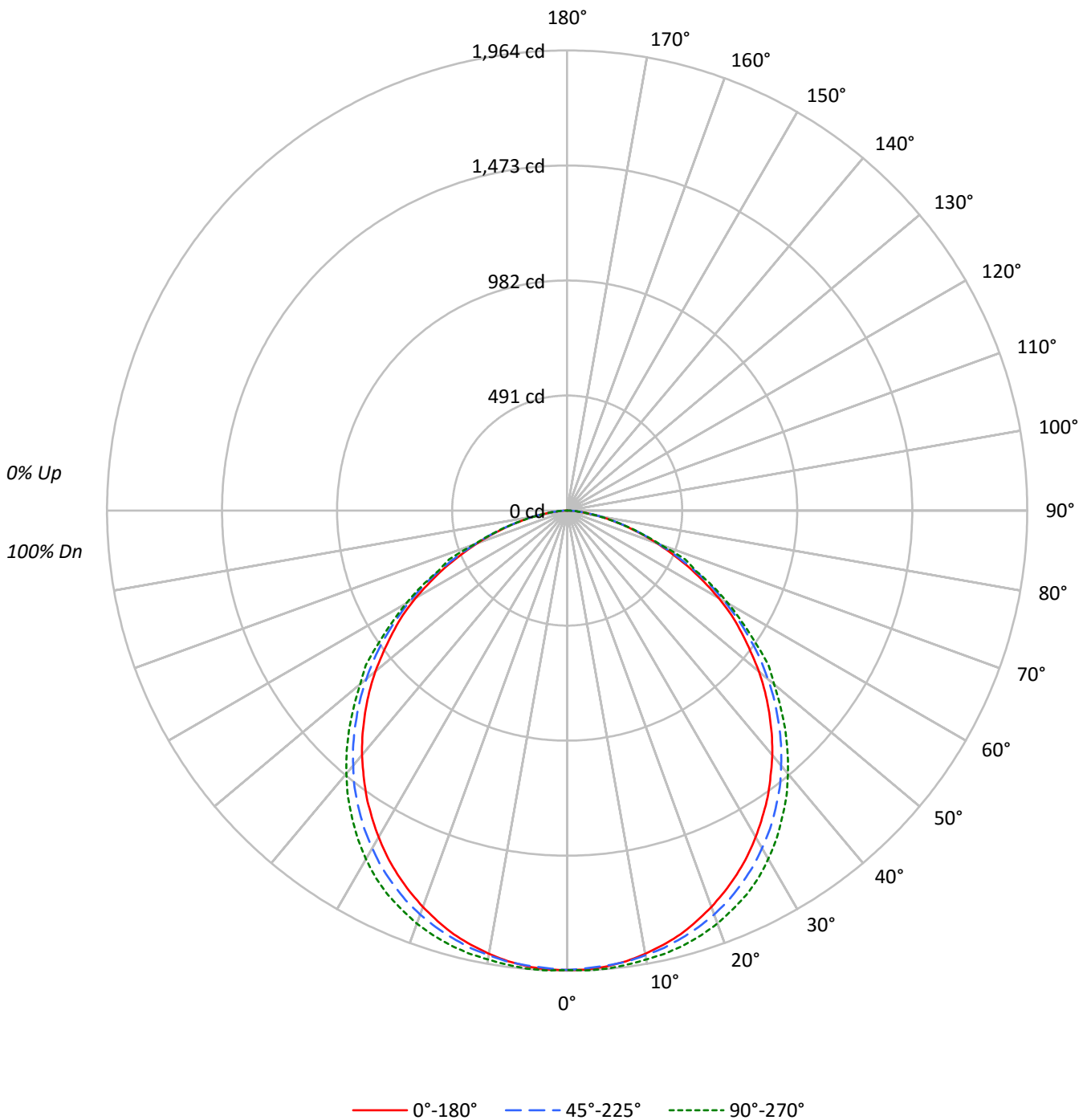
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

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

	0°	45°	90°
0°	2638	2638	2638
5°	2638	2633	2651
10°	2624	2632	2658
15°	2607	2631	2676
20°	2578	2626	2686
25°	2544	2611	2687
30°	2501	2586	2668
35°	2452	2548	2628
40°	2393	2496	2575
45°	2320	2427	2503
50°	2236	2342	2413
55°	2133	2231	2297
60°	2011	2087	2138
65°	1826	1886	1922
70°	1603	1640	1663
75°	1354	1373	1383
80°	1082	1096	1067
85°	729	758	729



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.8	3.5
10°-20°	534.3	10.2
20°-30°	810.7	15.4
30°-40°	967.9	18.4
40°-50°	979.9	18.6
50°-60°	847.0	16.1
60°-70°	587.0	11.2
70°-80°	284.0	5.4
80°-90°	62.5	1.2
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°	1530.8	29.1
0°-40°	2498.7	47.5
0°-60°	4325.6	82.2
0°-90°	5259.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5259.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1961	1961	1961	1961	1961	
5°	1953	1951	1949	1959	1962	185
15°	1872	1876	1889	1912	1921	528
25°	1713	1725	1759	1794	1810	789
35°	1493	1506	1551	1591	1600	932
45°	1219	1236	1276	1308	1315	940
55°	910	919	951	991	979	813
65°	574	579	592	602	604	568
75°	260	262	264	262	266	279
85°	47	51	49	47	47	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1960.6	1960.6	1960.6	1960.6	1960.6
2.5°	1960.6	1958.7	1954.9	1960.6	1964.4
5°	1953.0	1951.1	1949.3	1958.7	1962.5
7.5°	1939.8	1939.8	1941.7	1951.1	1954.9
10°	1920.9	1922.8	1926.6	1941.7	1945.5
12.5°	1898.3	1902.1	1911.5	1928.5	1936.0
15°	1871.9	1875.7	1888.9	1911.5	1920.9
17.5°	1837.9	1845.5	1864.3	1890.8	1900.2
20°	1800.2	1809.6	1834.1	1864.3	1875.7
22.5°	1758.7	1768.1	1800.2	1832.3	1843.6
25°	1713.4	1724.7	1758.7	1794.5	1809.6
27.5°	1664.3	1677.5	1715.3	1753.0	1768.1
30°	1609.6	1624.7	1664.3	1703.9	1717.2
32.5°	1551.1	1566.2	1611.5	1649.2	1662.4
35°	1492.6	1505.8	1551.1	1590.7	1600.2
37.5°	1426.6	1441.7	1490.7	1524.7	1537.9
40°	1362.4	1377.5	1420.9	1454.9	1466.2
42.5°	1292.6	1307.7	1351.1	1383.2	1392.6
45°	1219.0	1236.0	1275.6	1307.7	1315.2
47.5°	1145.4	1158.6	1200.1	1228.4	1234.1
50°	1068.0	1081.2	1119.0	1147.3	1152.9
52.5°	986.9	1007.6	1037.8	1058.6	1083.1
55°	909.5	919.0	951.0	990.7	979.3
57.5°	832.2	837.8	864.2	881.2	885.0
60°	747.2	754.8	775.6	785.0	794.4
62.5°	658.6	664.2	688.7	698.2	702.0
65°	573.6	579.3	592.5	601.9	603.8
67.5°	486.8	492.5	503.8	511.4	545.3
70°	407.6	411.4	417.0	432.1	422.7
72.5°	332.1	334.0	339.7	339.7	341.5
75°	260.4	262.3	264.2	262.3	266.1
77.5°	194.4	198.1	200.0	198.1	196.2
80°	139.6	143.4	141.5	137.7	137.7
82.5°	90.6	92.5	90.6	88.7	88.7
85°	47.2	50.9	49.1	47.2	47.2
87.5°	17.0	18.9	20.8	22.6	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)