

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: P258453

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-60L830-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5267.7 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

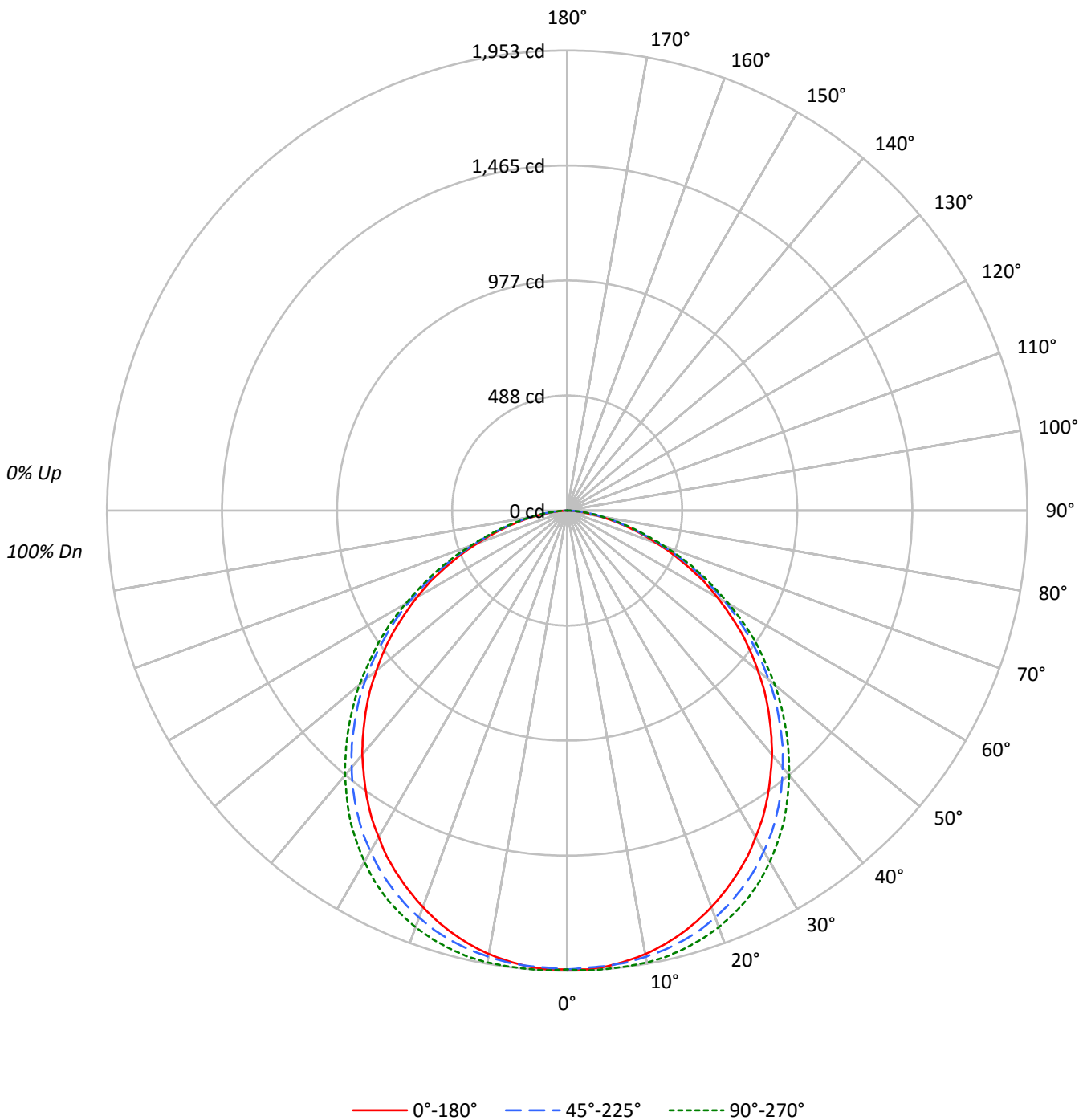
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

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

	0°	45°	90°
0°	2620	2620	2620
5°	2623	2620	2638
10°	2612	2627	2661
15°	2592	2634	2681
20°	2564	2632	2694
25°	2530	2619	2695
30°	2486	2595	2674
35°	2436	2557	2638
40°	2376	2499	2575
45°	2302	2427	2499
50°	2212	2338	2409
55°	2116	2222	2293
60°	1980	2082	2133
65°	1808	1904	1953
70°	1589	1670	1715
75°	1344	1412	1462
80°	1067	1170	1199
85°	729	874	844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.0	3.5
10°-20°	534.2	10.1
20°-30°	811.8	15.4
30°-40°	968.7	18.4
40°-50°	978.4	18.6
50°-60°	842.9	16.0
60°-70°	587.6	11.2
70°-80°	291.2	5.5
80°-90°	67.9	1.3
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°	1531.0	29.1
0°-40°	2499.7	47.5
0°-60°	4321.0	82.0
0°-90°	5267.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5267.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1947	1947	1947	1947	1947	
5°	1942	1940	1940	1949	1953	184
15°	1861	1870	1891	1915	1925	525
25°	1704	1727	1764	1800	1815	785
35°	1483	1508	1557	1593	1606	927
45°	1210	1236	1276	1306	1313	932
55°	902	921	947	970	978	804
65°	568	579	598	604	613	564
75°	258	262	272	277	281	279
85°	47	57	57	53	55	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1947.4	1947.4	1947.4	1947.4	1947.4
2.5°	1949.3	1945.5	1941.7	1949.3	1953.0
5°	1941.7	1939.8	1939.8	1949.3	1953.0
7.5°	1928.5	1928.5	1934.2	1947.4	1951.1
10°	1911.5	1915.3	1922.8	1941.7	1947.4
12.5°	1888.9	1896.4	1909.6	1932.3	1939.8
15°	1860.6	1870.0	1890.8	1915.3	1924.7
17.5°	1828.5	1841.7	1868.1	1896.4	1905.9
20°	1790.7	1807.7	1837.9	1870.0	1881.3
22.5°	1749.2	1770.0	1804.0	1837.9	1851.1
25°	1703.9	1726.6	1764.3	1800.2	1815.3
27.5°	1656.8	1679.4	1720.9	1756.8	1771.9
30°	1600.2	1626.6	1670.0	1707.7	1720.9
32.5°	1545.4	1571.9	1617.1	1651.1	1664.3
35°	1483.2	1507.7	1556.8	1592.6	1605.8
37.5°	1417.1	1445.4	1492.6	1524.7	1536.0
40°	1353.0	1377.5	1422.8	1454.9	1466.2
42.5°	1281.3	1307.7	1353.0	1381.3	1390.7
45°	1209.6	1236.0	1275.6	1305.8	1313.3
47.5°	1136.0	1160.5	1200.1	1224.7	1232.2
50°	1056.7	1079.4	1117.1	1141.6	1151.1
52.5°	981.2	1002.0	1034.1	1054.8	1060.5
55°	902.0	920.8	947.3	969.9	977.5
57.5°	817.1	837.8	862.4	881.2	886.9
60°	735.9	752.9	773.7	790.6	792.5
62.5°	656.7	664.2	683.1	698.2	700.1
65°	568.0	579.3	598.2	603.8	613.3
67.5°	486.8	494.4	509.5	517.0	524.6
70°	403.8	409.5	424.6	434.0	435.9
72.5°	332.1	334.0	345.3	352.9	354.8
75°	258.5	262.3	271.7	277.4	281.2
77.5°	196.2	200.0	207.6	211.3	211.3
80°	137.7	143.4	151.0	152.8	154.7
82.5°	88.7	96.2	101.9	103.8	100.0
85°	47.2	56.6	56.6	52.8	54.7
87.5°	17.0	20.8	22.6	24.5	24.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)