

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: P258455

Luminaire Tested: **D3X-WG-60L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258455  
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-60L840-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5486.9 lumens  
Efficiency: N/A  
Efficacy: 115.0 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

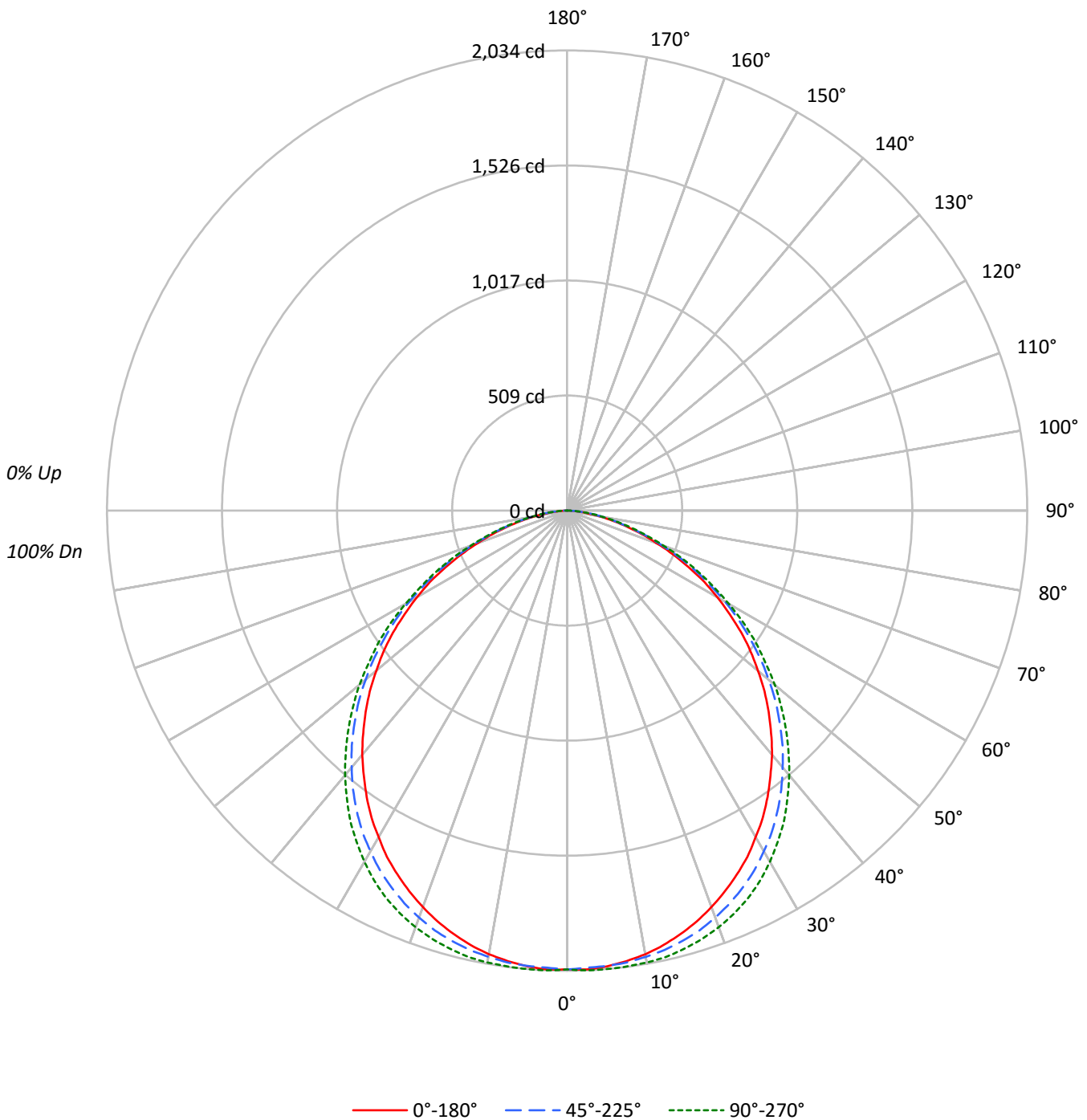
Input Watts (W): 47.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2729	2729	2729
5°	2732	2729	2748
10°	2720	2736	2771
15°	2700	2743	2793
20°	2671	2741	2806
25°	2635	2728	2807
30°	2589	2703	2785
35°	2538	2663	2747
40°	2475	2603	2682
45°	2397	2528	2603
50°	2304	2436	2510
55°	2204	2315	2388
60°	2063	2169	2221
65°	1883	1984	2034
70°	1655	1740	1786
75°	1400	1471	1523
80°	1112	1218	1249
85°	758	911	880



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.7	3.5
10°-20°	556.4	10.1
20°-30°	845.6	15.4
30°-40°	1009.0	18.4
40°-50°	1019.1	18.6
50°-60°	878.0	16.0
60°-70°	612.1	11.2
70°-80°	303.3	5.5
80°-90°	70.7	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°	1594.8	29.1
0°-40°	2603.8	47.5
0°-60°	4500.8	82.0
0°-90°	5486.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5486.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2028	2028	2028	2028	2028	
5°	2022	2020	2020	2030	2034	192
15°	1938	1948	1969	1995	2005	547
25°	1775	1798	1838	1875	1891	818
35°	1545	1570	1622	1659	1673	966
45°	1260	1287	1329	1360	1368	971
55°	940	959	987	1010	1018	837
65°	592	603	623	629	639	587
75°	269	273	283	289	293	290
85°	49	59	59	55	57	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2028.4	2028.4	2028.4	2028.4	2028.4
2.5°	2030.4	2026.4	2022.5	2030.4	2034.3
5°	2022.5	2020.5	2020.5	2030.4	2034.3
7.5°	2008.7	2008.7	2014.6	2028.4	2032.3
10°	1991.1	1995.0	2002.8	2022.5	2028.4
12.5°	1967.5	1975.3	1989.1	2012.7	2020.5
15°	1938.0	1947.8	1969.4	1995.0	2004.8
17.5°	1904.6	1918.3	1945.8	1975.3	1985.2
20°	1865.3	1883.0	1914.4	1947.8	1959.6
22.5°	1822.0	1843.6	1879.0	1914.4	1928.2
25°	1774.9	1798.4	1837.7	1875.1	1890.8
27.5°	1725.7	1749.3	1792.5	1829.9	1845.6
30°	1666.7	1694.3	1739.5	1778.8	1792.5
32.5°	1609.7	1637.3	1684.4	1719.8	1733.6
35°	1544.9	1570.4	1621.5	1658.9	1672.6
37.5°	1476.1	1505.6	1554.7	1588.1	1599.9
40°	1409.3	1434.8	1482.0	1515.4	1527.2
42.5°	1334.6	1362.1	1409.3	1438.7	1448.6
45°	1259.9	1287.4	1328.7	1360.1	1368.0
47.5°	1183.2	1208.8	1250.1	1275.6	1283.5
50°	1100.7	1124.3	1163.6	1189.1	1199.0
52.5°	1022.1	1043.7	1077.1	1098.7	1104.6
55°	939.5	959.2	986.7	1010.3	1018.1
57.5°	851.1	872.7	898.2	917.9	923.8
60°	766.5	784.2	805.9	823.5	825.5
62.5°	684.0	691.9	711.5	727.2	729.2
65°	591.6	603.4	623.1	629.0	638.8
67.5°	507.1	515.0	530.7	538.5	546.4
70°	420.6	426.5	442.2	452.1	454.0
72.5°	345.9	347.9	359.7	367.5	369.5
75°	269.3	273.2	283.0	288.9	292.9
77.5°	204.4	208.3	216.2	220.1	220.1
80°	143.5	149.4	157.2	159.2	161.2
82.5°	92.4	100.2	106.1	108.1	104.2
85°	49.1	59.0	59.0	55.0	57.0
87.5°	17.7	21.6	23.6	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)