

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: P258396

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258396
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-60L840-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5478.0 lumens
Efficiency: N/A
Efficacy: 114.8 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

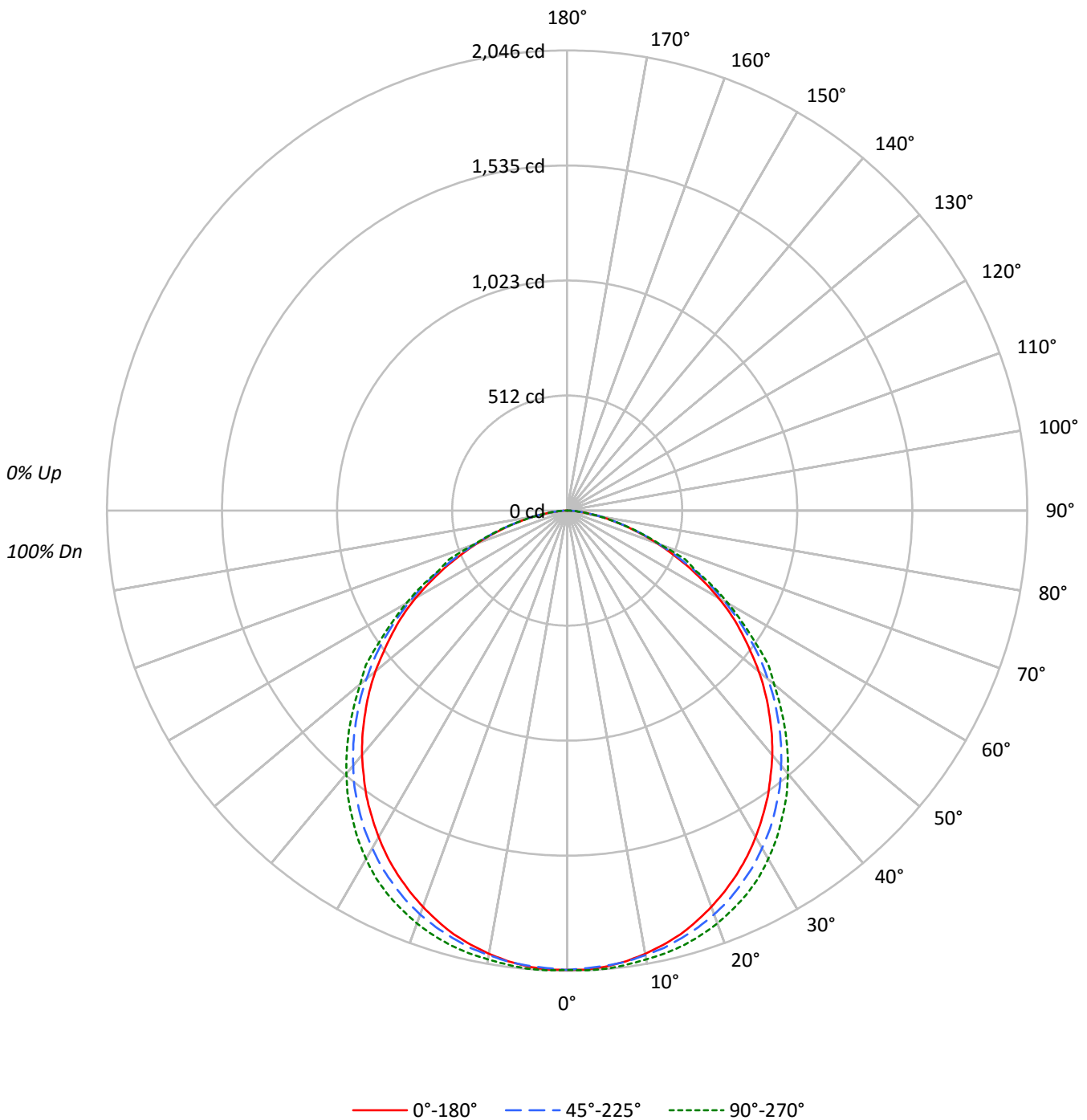
Input Watts (W): 47.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2748	2748	2748
5°	2748	2742	2761
10°	2734	2742	2769
15°	2716	2741	2787
20°	2685	2736	2797
25°	2650	2720	2798
30°	2605	2693	2779
35°	2554	2654	2738
40°	2493	2599	2682
45°	2416	2528	2607
50°	2329	2440	2514
55°	2222	2324	2393
60°	2094	2174	2227
65°	1902	1965	2003
70°	1670	1709	1732
75°	1410	1431	1441
80°	1127	1142	1112
85°	758	789	758



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	3.5
10°-20°	556.6	10.2
20°-30°	844.4	15.4
30°-40°	1008.2	18.4
40°-50°	1020.7	18.6
50°-60°	882.2	16.1
60°-70°	611.5	11.2
70°-80°	295.9	5.4
80°-90°	65.0	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°	1594.5	29.1
0°-40°	2602.7	47.5
0°-60°	4505.6	82.2
0°-90°	5478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2042	2042	2042	2042	2042	
5°	2034	2032	2030	2040	2044	193
15°	1950	1954	1968	1991	2001	549
25°	1785	1796	1832	1869	1885	822
35°	1555	1568	1616	1657	1667	971
45°	1270	1287	1329	1362	1370	979
55°	947	957	991	1032	1020	847
65°	598	603	617	627	629	591
75°	271	273	275	273	277	291
85°	49	53	51	49	49	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2042.2	2042.2	2042.2	2042.2	2042.2
2.5°	2042.2	2040.2	2036.3	2042.2	2046.1
5°	2034.3	2032.3	2030.4	2040.2	2044.1
7.5°	2020.5	2020.5	2022.5	2032.3	2036.3
10°	2000.9	2002.9	2006.8	2022.5	2026.4
12.5°	1977.3	1981.2	1991.1	2008.7	2016.6
15°	1949.8	1953.7	1967.5	1991.1	2000.9
17.5°	1914.4	1922.3	1941.9	1969.4	1979.3
20°	1875.1	1884.9	1910.5	1941.9	1953.7
22.5°	1831.9	1841.7	1875.1	1908.5	1920.3
25°	1784.7	1796.5	1831.9	1869.2	1884.9
27.5°	1733.6	1747.3	1786.6	1826.0	1841.7
30°	1676.6	1692.3	1733.6	1774.9	1788.6
32.5°	1615.6	1631.4	1678.5	1717.9	1731.6
35°	1554.7	1568.5	1615.6	1656.9	1666.7
37.5°	1485.9	1501.6	1552.7	1588.1	1601.9
40°	1419.1	1434.8	1480.0	1515.4	1527.2
42.5°	1346.4	1362.1	1407.3	1440.7	1450.5
45°	1269.7	1287.4	1328.7	1362.1	1370.0
47.5°	1193.1	1206.8	1250.1	1279.5	1285.4
50°	1112.5	1126.2	1165.5	1195.0	1200.9
52.5°	1028.0	1049.6	1081.0	1102.6	1128.2
55°	947.4	957.2	990.6	1031.9	1020.1
57.5°	866.8	872.7	900.2	917.9	921.8
60°	778.3	786.2	807.8	817.7	827.5
62.5°	686.0	691.9	717.4	727.2	731.2
65°	597.5	603.4	617.2	627.0	629.0
67.5°	507.1	513.0	524.8	532.7	568.0
70°	424.5	428.5	434.4	450.1	440.3
72.5°	345.9	347.9	353.8	353.8	355.8
75°	271.2	273.2	275.2	273.2	277.1
77.5°	202.4	206.4	208.3	206.4	204.4
80°	145.4	149.4	147.4	143.5	143.5
82.5°	94.3	96.3	94.3	92.4	92.4
85°	49.1	53.1	51.1	49.1	49.1
87.5°	17.7	19.7	21.6	23.6	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)