

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: P258514

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-60L840-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5834.7 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

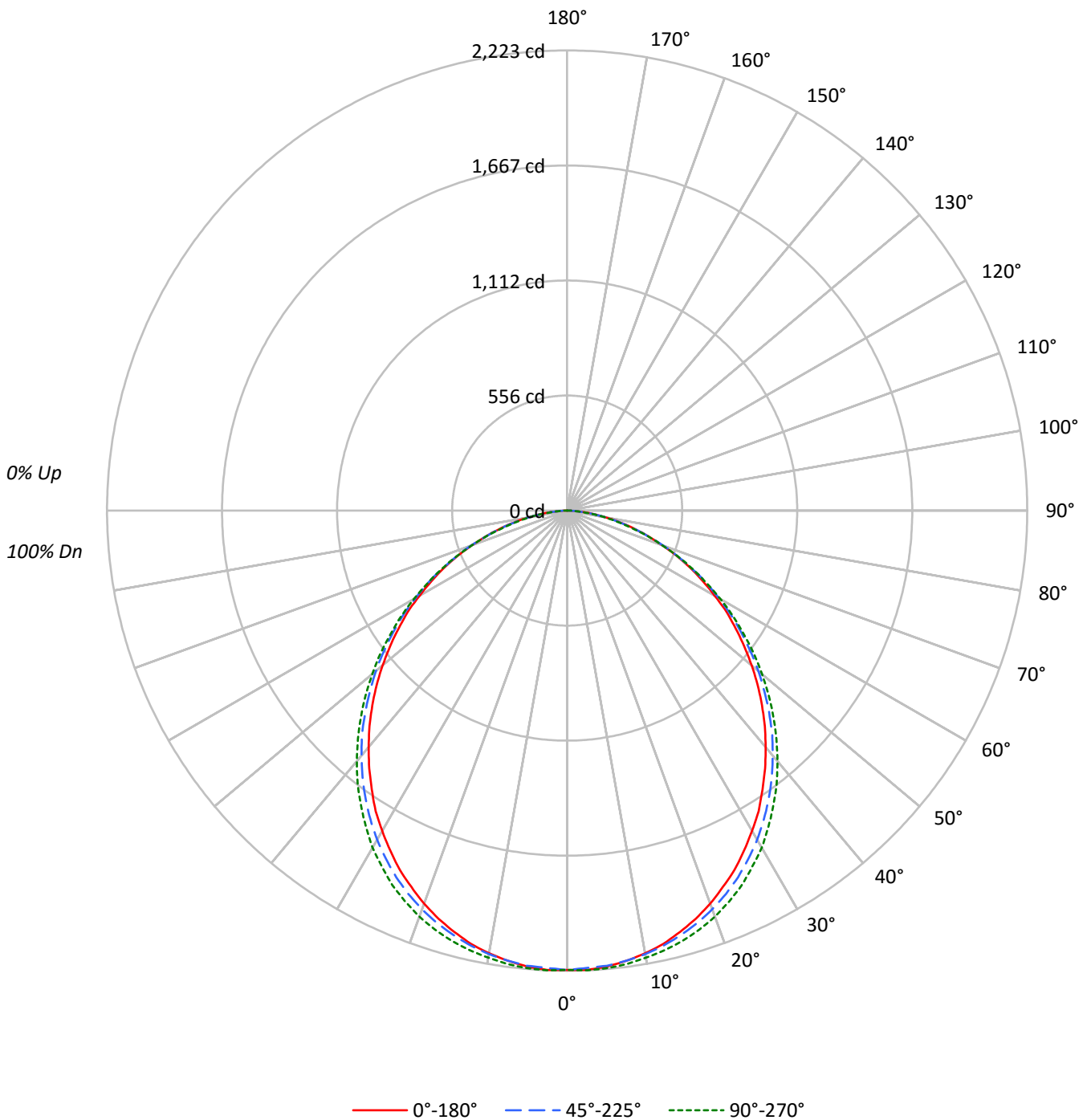
Input Watts (W): 47.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2986	2986	2986
5°	2987	2981	2997
10°	2967	2973	2997
15°	2935	2957	2998
20°	2893	2935	2989
25°	2842	2900	2965
30°	2776	2852	2922
35°	2702	2789	2854
40°	2620	2713	2776
45°	2532	2625	2682
50°	2436	2526	2571
55°	2333	2407	2444
60°	2216	2274	2301
65°	2090	2121	2134
70°	1917	1941	1917
75°	1727	1717	1666
80°	1462	1447	1401
85°	1093	1062	940



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.1	3.6
10°-20°	600.2	10.3
20°-30°	899.9	15.4
30°-40°	1059.7	18.2
40°-50°	1059.9	18.2
50°-60°	914.5	15.7
60°-70°	658.1	11.3
70°-80°	349.0	6.0
80°-90°	83.3	1.4
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°	1710.2	29.3
0°-40°	2769.9	47.5
0°-60°	4744.4	81.3
0°-90°	5834.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5834.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2219	2219	2219	2219	2219	
5°	2211	2209	2207	2215	2219	210
15°	2107	2113	2123	2144	2152	594
25°	1914	1926	1954	1987	1997	881
35°	1645	1665	1698	1728	1738	1029
45°	1331	1348	1380	1403	1409	1026
55°	994	1004	1026	1044	1042	890
65°	656	658	666	670	670	649
75°	332	328	330	322	320	353
85°	71	71	69	63	61	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2219.1	2219.1	2219.1	2219.1	2219.1
2.5°	2221.0	2217.1	2211.2	2219.1	2223.0
5°	2211.2	2209.2	2207.3	2215.1	2219.1
7.5°	2193.5	2195.5	2193.5	2205.3	2209.2
10°	2171.9	2173.8	2175.8	2189.6	2193.5
12.5°	2144.4	2146.3	2152.2	2169.9	2175.8
15°	2107.0	2112.9	2122.7	2144.4	2152.2
17.5°	2067.7	2075.6	2089.3	2114.9	2122.7
20°	2020.5	2030.4	2050.0	2077.5	2087.4
22.5°	1967.5	1977.3	2004.8	2034.3	2044.1
25°	1914.4	1926.2	1953.7	1987.1	1997.0
27.5°	1851.5	1867.2	1896.7	1930.1	1938.0
30°	1786.6	1800.4	1835.8	1867.2	1881.0
32.5°	1721.8	1735.5	1769.0	1800.4	1810.2
35°	1645.1	1664.8	1698.2	1727.7	1737.5
37.5°	1570.4	1588.1	1623.5	1653.0	1662.8
40°	1491.8	1507.5	1544.9	1572.4	1580.3
42.5°	1413.2	1428.9	1466.3	1487.9	1495.7
45°	1330.6	1348.3	1379.8	1403.4	1409.3
47.5°	1248.1	1261.9	1291.3	1313.0	1320.8
50°	1163.6	1177.3	1206.8	1224.5	1228.4
52.5°	1079.1	1088.9	1116.4	1132.1	1138.0
55°	994.5	1004.4	1026.0	1043.7	1041.7
57.5°	914.0	917.9	939.5	951.3	951.3
60°	823.5	827.5	845.2	853.0	855.0
62.5°	739.0	744.9	758.7	760.6	760.6
65°	656.5	658.4	666.3	670.2	670.2
67.5°	573.9	572.0	579.8	579.8	577.9
70°	487.4	491.4	493.3	489.4	487.4
72.5°	408.8	406.9	406.9	404.9	404.9
75°	332.2	328.2	330.2	322.3	320.4
77.5°	261.4	255.5	253.5	249.6	245.7
80°	188.7	188.7	186.7	182.8	180.8
82.5°	125.8	125.8	123.8	119.9	116.0
85°	70.8	70.8	68.8	62.9	60.9
87.5°	23.6	23.6	23.6	23.6	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)