

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: P258512

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258512
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-60L830-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5601.6 lumens
Efficiency: N/A
Efficacy: 117.4 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

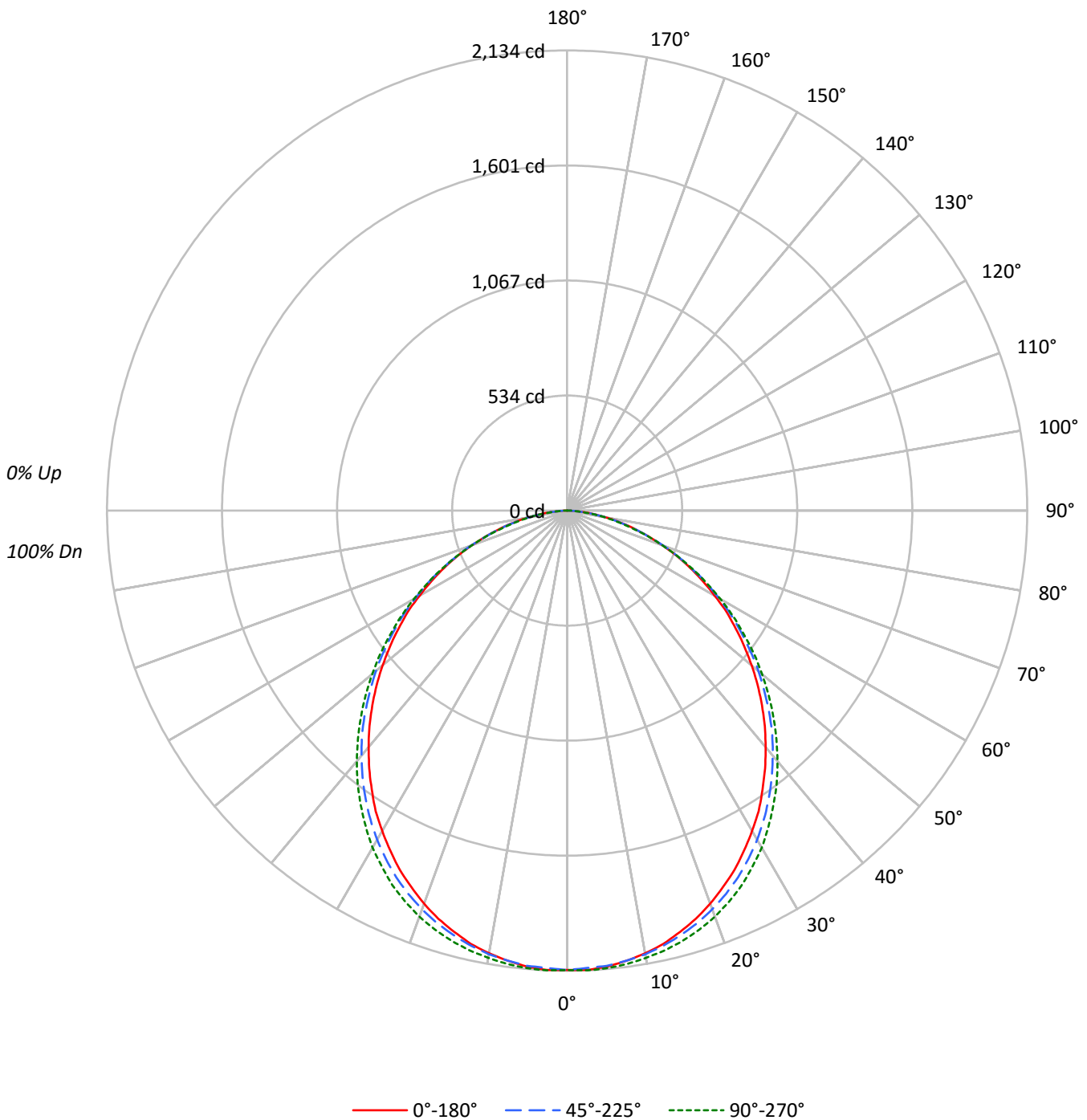
Input Watts (W): 47.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2866	2866	2866
5°	2867	2862	2877
10°	2849	2854	2877
15°	2818	2839	2878
20°	2777	2818	2869
25°	2729	2785	2846
30°	2665	2738	2806
35°	2594	2678	2740
40°	2516	2605	2665
45°	2431	2521	2575
50°	2338	2425	2469
55°	2240	2311	2346
60°	2127	2183	2209
65°	2007	2037	2049
70°	1841	1863	1841
75°	1658	1648	1599
80°	1404	1389	1345
85°	1048	1019	903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	3.6
10°-20°	576.2	10.3
20°-30°	863.9	15.4
30°-40°	1017.4	18.2
40°-50°	1017.6	18.2
50°-60°	878.0	15.7
60°-70°	631.8	11.3
70°-80°	335.1	6.0
80°-90°	79.9	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°	1641.8	29.3
0°-40°	2659.2	47.5
0°-60°	4554.8	81.3
0°-90°	5601.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5601.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2130	2130	2130	2130	2130	
5°	2123	2121	2119	2127	2130	201
15°	2023	2028	2038	2059	2066	570
25°	1838	1849	1876	1908	1917	845
35°	1579	1598	1630	1659	1668	988
45°	1278	1294	1325	1347	1353	985
55°	955	964	985	1002	1000	854
65°	630	632	640	644	644	623
75°	319	315	317	310	308	339
85°	68	68	66	60	58	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2130.4	2130.4	2130.4	2130.4	2130.4
2.5°	2132.3	2128.5	2122.9	2130.4	2134.2
5°	2122.9	2121.0	2119.1	2126.6	2130.4
7.5°	2105.9	2107.8	2105.9	2117.2	2121.0
10°	2085.1	2087.0	2088.9	2102.1	2105.9
12.5°	2058.7	2060.6	2066.2	2083.2	2088.9
15°	2022.8	2028.5	2037.9	2058.7	2066.2
17.5°	1985.1	1992.7	2005.9	2030.4	2037.9
20°	1939.8	1949.3	1968.1	1994.5	2004.0
22.5°	1888.9	1898.3	1924.7	1953.0	1962.5
25°	1837.9	1849.2	1875.7	1907.7	1917.2
27.5°	1777.5	1792.6	1820.9	1853.0	1860.6
30°	1715.3	1728.5	1762.4	1792.6	1805.8
32.5°	1653.0	1666.2	1698.3	1728.5	1737.9
35°	1579.4	1598.3	1630.4	1658.7	1668.1
37.5°	1507.7	1524.7	1558.6	1587.0	1596.4
40°	1432.2	1447.3	1483.2	1509.6	1517.1
42.5°	1356.7	1371.8	1407.7	1428.4	1436.0
45°	1277.5	1294.5	1324.7	1347.3	1353.0
47.5°	1198.2	1211.4	1239.7	1260.5	1268.1
50°	1117.1	1130.3	1158.6	1175.6	1179.4
52.5°	1036.0	1045.4	1071.8	1086.9	1092.6
55°	954.8	964.2	985.0	1002.0	1000.1
57.5°	877.4	881.2	902.0	913.3	913.3
60°	790.6	794.4	811.4	818.9	820.8
62.5°	709.5	715.2	728.4	730.3	730.3
65°	630.3	632.1	639.7	643.5	643.5
67.5°	551.0	549.1	556.7	556.7	554.8
70°	468.0	471.7	473.6	469.9	468.0
72.5°	392.5	390.6	390.6	388.7	388.7
75°	318.9	315.1	317.0	309.5	307.6
77.5°	251.0	245.3	243.4	239.6	235.9
80°	181.2	181.2	179.3	175.5	173.6
82.5°	120.8	120.8	118.9	115.1	111.3
85°	67.9	67.9	66.0	60.4	58.5
87.5°	22.6	22.6	22.6	22.6	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)