

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: P296816

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5644.0 lumens
Efficiency: N/A
Efficacy: 129.2 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

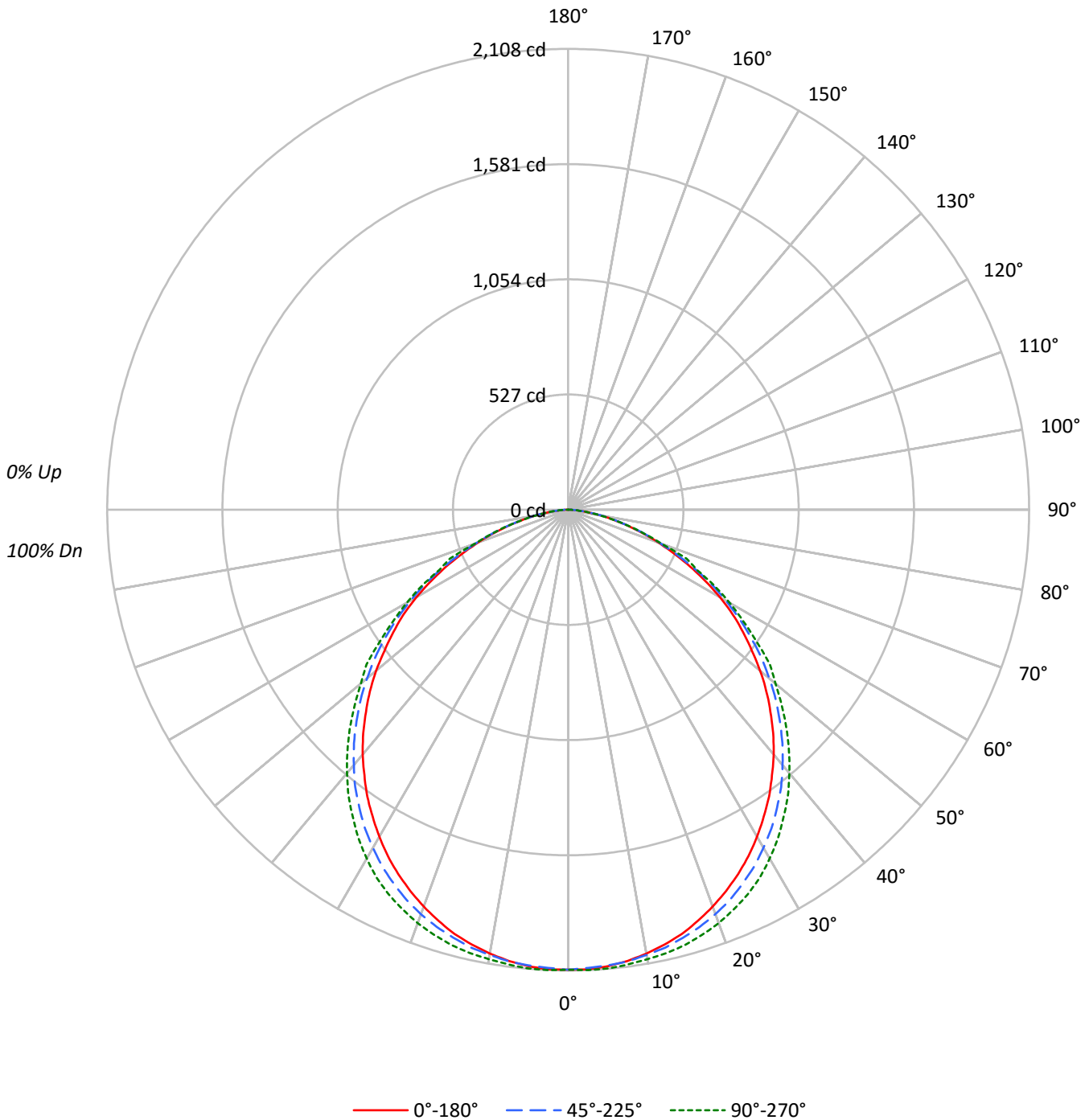
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2831	2831	2831
5°	2831	2825	2845
10°	2817	2825	2852
15°	2798	2824	2872
20°	2766	2818	2882
25°	2730	2802	2883
30°	2684	2775	2863
35°	2631	2734	2821
40°	2568	2678	2764
45°	2489	2605	2686
50°	2399	2514	2590
55°	2290	2394	2465
60°	2158	2240	2294
65°	1960	2025	2063
70°	1721	1760	1784
75°	1453	1474	1484
80°	1161	1177	1145
85°	781	814	781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	3.5
10°-20°	573.4	10.2
20°-30°	870.0	15.4
30°-40°	1038.7	18.4
40°-50°	1051.6	18.6
50°-60°	909.0	16.1
60°-70°	630.0	11.2
70°-80°	304.8	5.4
80°-90°	67.0	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°	1642.9	29.1
0°-40°	2681.6	47.5
0°-60°	4642.2	82.2
0°-90°	5644.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5644.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2104	2104	2104	2104	2104	
5°	2096	2094	2092	2102	2106	199
15°	2009	2013	2027	2051	2062	566
25°	1839	1851	1887	1926	1942	847
35°	1602	1616	1665	1707	1717	1001
45°	1308	1326	1369	1403	1412	1009
55°	976	986	1021	1063	1051	872
65°	616	622	636	646	648	609
75°	280	282	284	282	286	300
85°	51	55	53	51	51	66
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2104.0	2104.0	2104.0	2104.0	2104.0
2.5°	2104.0	2102.0	2098.0	2104.0	2108.1
5°	2095.9	2093.9	2091.9	2102.0	2106.1
7.5°	2081.8	2081.8	2083.8	2093.9	2098.0
10°	2061.5	2063.5	2067.6	2083.8	2087.8
12.5°	2037.2	2041.3	2051.4	2069.6	2077.7
15°	2008.9	2012.9	2027.1	2051.4	2061.5
17.5°	1972.4	1980.5	2000.8	2029.1	2039.2
20°	1931.9	1942.0	1968.4	2000.8	2012.9
22.5°	1887.4	1897.5	1931.9	1966.3	1978.5
25°	1838.8	1850.9	1887.4	1925.8	1942.0
27.5°	1786.1	1800.3	1840.8	1881.3	1897.5
30°	1727.4	1743.6	1786.1	1828.6	1842.8
32.5°	1664.6	1680.8	1729.4	1769.9	1784.1
35°	1601.8	1616.0	1664.6	1707.1	1717.3
37.5°	1530.9	1547.1	1599.8	1636.3	1650.4
40°	1462.1	1478.3	1524.9	1561.3	1573.5
42.5°	1387.2	1403.4	1449.9	1484.4	1494.5
45°	1308.2	1326.4	1368.9	1403.4	1411.5
47.5°	1229.2	1243.4	1287.9	1318.3	1324.4
50°	1146.2	1160.4	1200.9	1231.2	1237.3
52.5°	1059.1	1081.4	1113.8	1136.1	1162.4
55°	976.1	986.2	1020.6	1063.2	1051.0
57.5°	893.1	899.1	927.5	945.7	949.8
60°	801.9	810.0	832.3	842.4	852.6
62.5°	706.7	712.8	739.1	749.3	753.3
65°	615.6	621.7	635.9	646.0	648.0
67.5°	522.5	528.5	540.7	548.8	585.2
70°	437.4	441.5	447.5	463.7	453.6
72.5°	356.4	358.4	364.5	364.5	366.5
75°	279.5	281.5	283.5	281.5	285.5
77.5°	208.6	212.6	214.7	212.6	210.6
80°	149.9	153.9	151.9	147.8	147.8
82.5°	97.2	99.2	97.2	95.2	95.2
85°	50.6	54.7	52.7	50.6	50.6
87.5°	18.2	20.3	22.3	24.3	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)