

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: P296815

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296815
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-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5523.0 lumens
Efficiency: N/A
Efficacy: 127.3 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

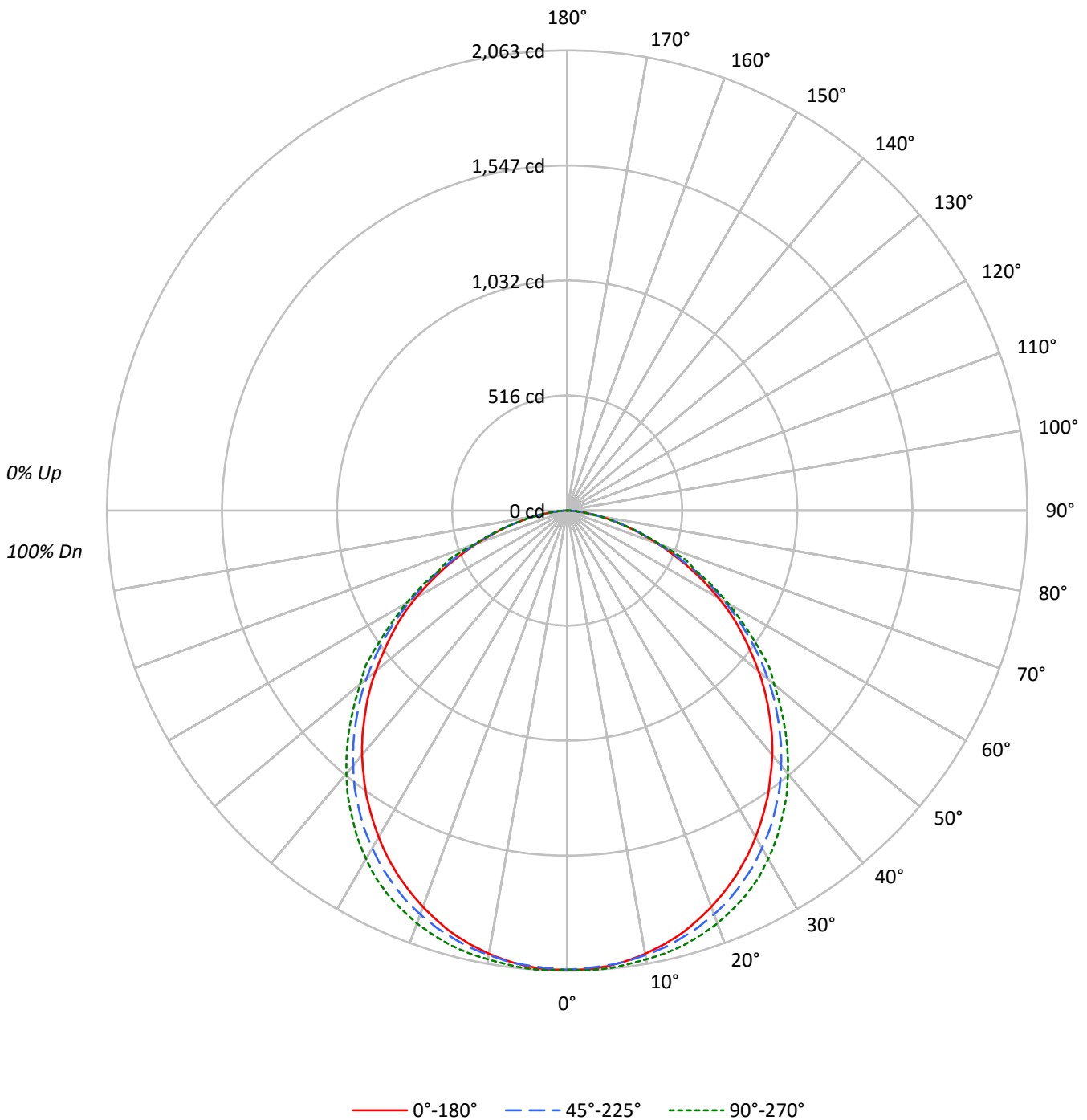
Input Watts (W): 43.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2770	2770	2770
5°	2770	2765	2784
10°	2756	2764	2791
15°	2738	2763	2810
20°	2707	2758	2820
25°	2671	2742	2821
30°	2626	2715	2802
35°	2575	2676	2760
40°	2513	2621	2704
45°	2436	2549	2628
50°	2348	2460	2534
55°	2241	2343	2413
60°	2112	2192	2245
65°	1918	1981	2019
70°	1684	1723	1746
75°	1422	1442	1452
80°	1136	1151	1121
85°	764	795	764



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.1	3.5
10°-20°	561.1	10.2
20°-30°	851.4	15.4
30°-40°	1016.5	18.4
40°-50°	1029.0	18.6
50°-60°	889.5	16.1
60°-70°	616.5	11.2
70°-80°	298.3	5.4
80°-90°	65.6	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°	1607.6	29.1
0°-40°	2624.1	47.5
0°-60°	4542.6	82.2
0°-90°	5523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2059	2059	2059	2059	2059	
5°	2051	2049	2047	2057	2061	195
15°	1966	1970	1984	2007	2017	554
25°	1799	1811	1847	1884	1900	829
35°	1568	1581	1629	1670	1680	979
45°	1280	1298	1340	1373	1381	987
55°	955	965	999	1040	1028	854
65°	602	608	622	632	634	596
75°	274	275	277	275	279	293
85°	50	54	52	50	50	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.9	2058.9	2058.9	2058.9	2058.9
2.5°	2058.9	2057.0	2053.0	2058.9	2062.9
5°	2051.0	2049.0	2047.0	2057.0	2060.9
7.5°	2037.1	2037.1	2039.1	2049.0	2053.0
10°	2017.3	2019.3	2023.3	2039.1	2043.1
12.5°	1993.5	1997.5	2007.4	2025.2	2033.2
15°	1965.8	1969.8	1983.6	2007.4	2017.3
17.5°	1930.1	1938.1	1957.9	1985.6	1995.5
20°	1890.5	1900.4	1926.2	1957.9	1969.8
22.5°	1846.9	1856.8	1890.5	1924.2	1936.1
25°	1799.3	1811.2	1846.9	1884.5	1900.4
27.5°	1747.8	1761.7	1801.3	1841.0	1856.8
30°	1690.3	1706.2	1747.8	1789.4	1803.3
32.5°	1628.9	1644.8	1692.3	1732.0	1745.8
35°	1567.5	1581.4	1628.9	1670.5	1680.4
37.5°	1498.1	1514.0	1565.5	1601.2	1615.0
40°	1430.8	1446.6	1492.2	1527.9	1539.7
42.5°	1357.4	1373.3	1418.9	1452.5	1462.5
45°	1280.1	1298.0	1339.6	1373.3	1381.2
47.5°	1202.9	1216.7	1260.3	1290.1	1296.0
50°	1121.6	1135.5	1175.1	1204.8	1210.8
52.5°	1036.4	1058.2	1089.9	1111.7	1137.5
55°	955.2	965.1	998.8	1040.4	1028.5
57.5°	873.9	879.9	907.6	925.4	929.4
60°	784.7	792.7	814.5	824.4	834.3
62.5°	691.6	697.5	723.3	733.2	737.2
65°	602.4	608.4	622.2	632.1	634.1
67.5°	511.3	517.2	529.1	537.0	572.7
70°	428.0	432.0	437.9	453.8	443.9
72.5°	348.8	350.8	356.7	356.7	358.7
75°	273.5	275.4	277.4	275.4	279.4
77.5°	204.1	208.1	210.1	208.1	206.1
80°	146.6	150.6	148.6	144.7	144.7
82.5°	95.1	97.1	95.1	93.1	93.1
85°	49.5	53.5	51.5	49.5	49.5
87.5°	17.8	19.8	21.8	23.8	23.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)