

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: P297095

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5533.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

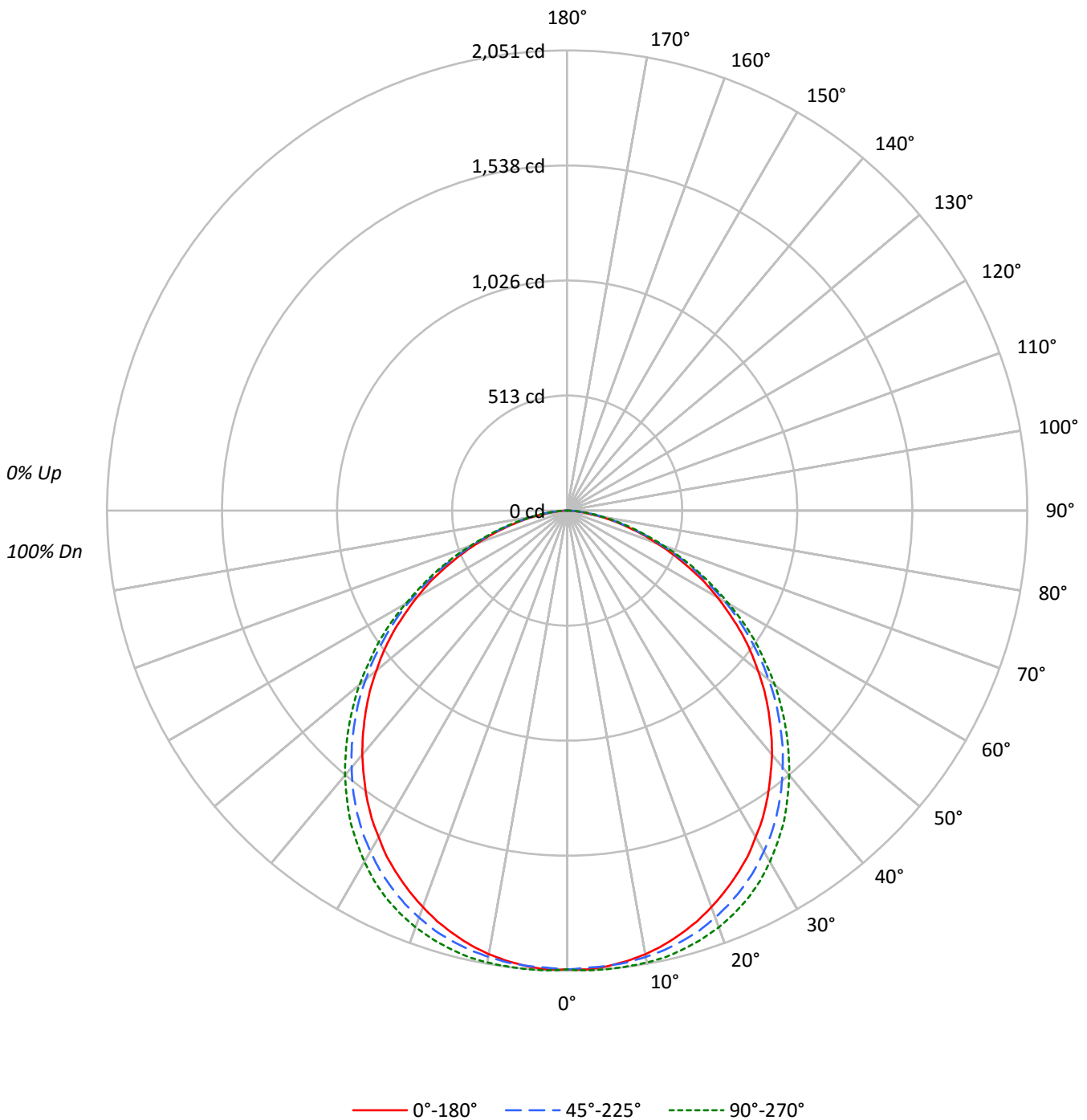
Input Watts (W): 43.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297095

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P297095

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3500K

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2752	2752	2752
5°	2755	2752	2771
10°	2743	2759	2795
15°	2722	2766	2816
20°	2693	2764	2829
25°	2657	2751	2831
30°	2611	2725	2808
35°	2559	2686	2770
40°	2496	2625	2705
45°	2418	2549	2625
50°	2323	2456	2531
55°	2222	2334	2408
60°	2080	2187	2240
65°	1899	2000	2051
70°	1668	1755	1801
75°	1411	1484	1535
80°	1121	1229	1259
85°	766	919	888



TEST NUMBER: P297095

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.3	3.5
10°-20°	561.1	10.1
20°-30°	852.7	15.4
30°-40°	1017.5	18.4
40°-50°	1027.6	18.6
50°-60°	885.4	16.0
60°-70°	617.2	11.2
70°-80°	305.9	5.5
80°-90°	71.3	1.3
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°	1608.2	29.1
0°-40°	2625.6	47.5
0°-60°	4538.6	82.0
0°-90°	5533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2045	2045	2045	2045	2045	
5°	2040	2038	2038	2047	2051	194
15°	1954	1964	1986	2012	2022	551
25°	1790	1814	1853	1891	1907	824
35°	1558	1584	1635	1673	1687	974
45°	1270	1298	1340	1372	1380	979
55°	947	967	995	1019	1027	844
65°	597	608	628	634	644	592
75°	272	276	285	291	295	293
85°	50	60	60	56	58	63
90°	0	0	0	0	0	



TEST NUMBER: P297095

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2045.4	2045.4	2045.4	2045.4	2045.4
2.5°	2047.4	2043.5	2039.5	2047.4	2051.4
5°	2039.5	2037.5	2037.5	2047.4	2051.4
7.5°	2025.6	2025.6	2031.6	2045.4	2049.4
10°	2007.8	2011.7	2019.7	2039.5	2045.4
12.5°	1984.0	1991.9	2005.8	2029.6	2037.5
15°	1954.3	1964.2	1986.0	2011.7	2021.6
17.5°	1920.6	1934.4	1962.2	1991.9	2001.8
20°	1880.9	1898.8	1930.5	1964.2	1976.1
22.5°	1837.3	1859.1	1894.8	1930.5	1944.4
25°	1789.8	1813.5	1853.2	1890.8	1906.7
27.5°	1740.2	1764.0	1807.6	1845.3	1861.1
30°	1680.7	1708.5	1754.1	1793.7	1807.6
32.5°	1623.3	1651.0	1698.6	1734.3	1748.1
35°	1557.9	1583.6	1635.2	1672.8	1686.7
37.5°	1488.5	1518.2	1567.8	1601.5	1613.4
40°	1421.1	1446.9	1494.4	1528.1	1540.0
42.5°	1345.8	1373.5	1421.1	1450.8	1460.7
45°	1270.5	1298.2	1339.8	1371.5	1379.5
47.5°	1193.2	1218.9	1260.6	1286.3	1294.3
50°	1109.9	1133.7	1173.3	1199.1	1209.0
52.5°	1030.6	1052.4	1086.1	1107.9	1113.9
55°	947.4	967.2	995.0	1018.8	1026.7
57.5°	858.2	880.0	905.8	925.6	931.5
60°	773.0	790.8	812.6	830.5	832.4
62.5°	689.7	697.7	717.5	733.3	735.3
65°	596.6	608.5	628.3	634.2	644.2
67.5°	511.4	519.3	535.1	543.1	551.0
70°	424.1	430.1	446.0	455.9	457.8
72.5°	348.8	350.8	362.7	370.6	372.6
75°	271.5	275.5	285.4	291.4	295.3
77.5°	206.1	210.1	218.0	222.0	222.0
80°	144.7	150.6	158.6	160.5	162.5
82.5°	93.2	101.1	107.0	109.0	105.0
85°	49.6	59.5	59.5	55.5	57.5
87.5°	17.8	21.8	23.8	25.8	25.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)