

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: P297098

Luminaire Tested: **D3X-WG-60L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297098
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5833.0 lumens
Efficiency: N/A
Efficacy: 131.7 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

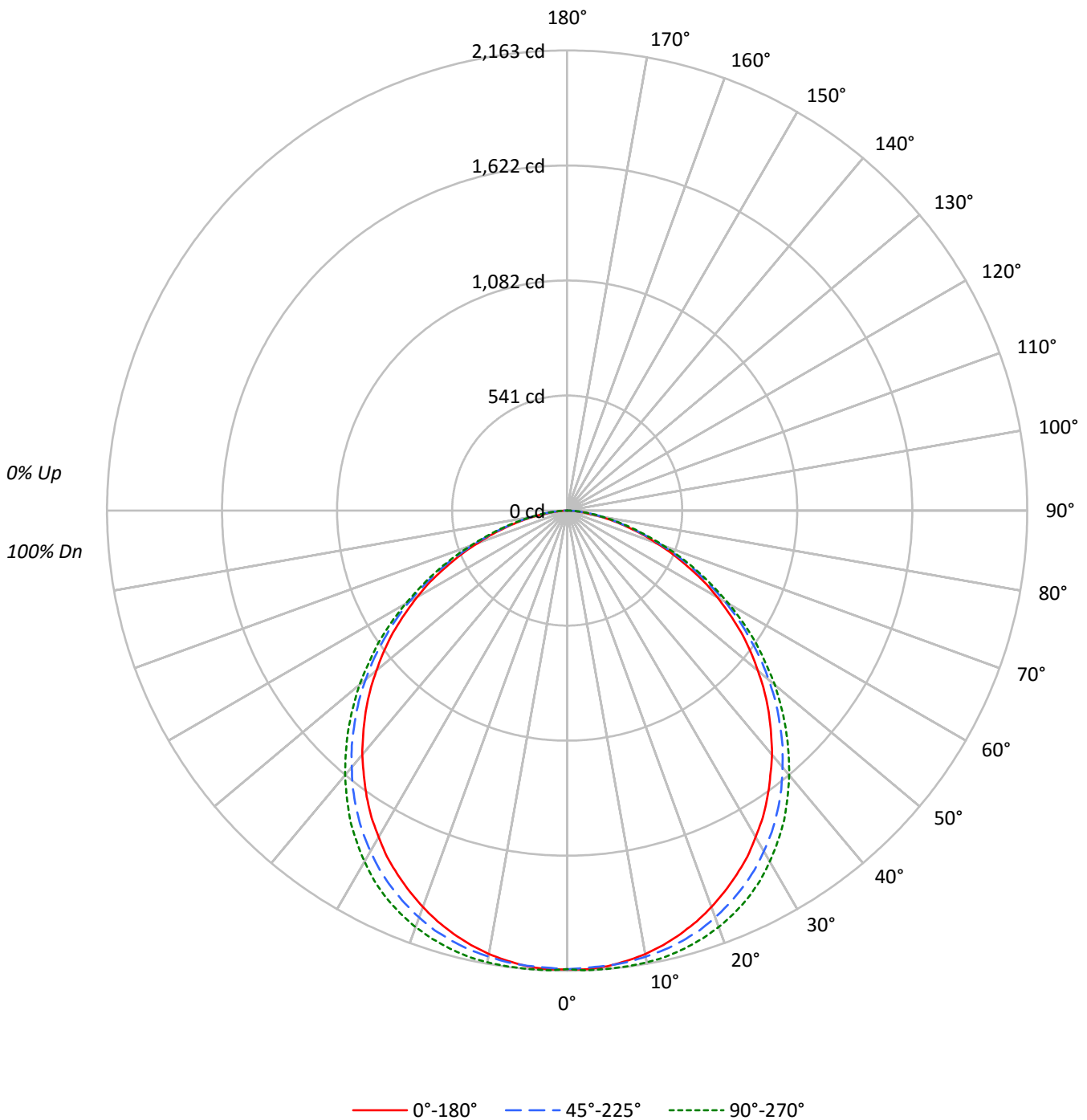
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297098

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-5000K

Luminous Intensity Polar Plot





TEST NUMBER: P297098

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-5000K

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°	2901	2901	2901
5°	2904	2901	2921
10°	2892	2909	2946
15°	2870	2916	2969
20°	2839	2914	2983
25°	2801	2900	2984
30°	2753	2873	2961
35°	2698	2831	2921
40°	2631	2767	2852
45°	2549	2688	2767
50°	2449	2589	2668
55°	2343	2460	2539
60°	2193	2305	2362
65°	2002	2109	2162
70°	1759	1849	1899
75°	1488	1564	1618
80°	1182	1296	1327
85°	806	968	936



TEST NUMBER: P297098

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	3.5
10°-20°	591.5	10.1
20°-30°	898.9	15.4
30°-40°	1072.6	18.4
40°-50°	1083.4	18.6
50°-60°	933.4	16.0
60°-70°	650.7	11.2
70°-80°	322.4	5.5
80°-90°	75.2	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°	1695.3	29.1
0°-40°	2768.0	47.5
0°-60°	4784.7	82.0
0°-90°	5833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2156	2156	2156	2156	2156	
5°	2150	2148	2148	2158	2163	204
15°	2060	2071	2094	2121	2131	581
25°	1887	1912	1954	1993	2010	869
35°	1642	1670	1724	1764	1778	1027
45°	1339	1369	1412	1446	1454	1032
55°	999	1020	1049	1074	1082	890
65°	629	642	662	669	679	625
75°	286	290	301	307	311	309
85°	52	63	63	58	61	67
90°	0	0	0	0	0	



TEST NUMBER: P297098

CATALOG NUMBER: D3X-WG-60L82765-LD5-UNV-24-T1-W2A-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2156.3	2156.3	2156.3	2156.3	2156.3
2.5°	2158.4	2154.2	2150.1	2158.4	2162.6
5°	2150.1	2148.0	2148.0	2158.4	2162.6
7.5°	2135.4	2135.4	2141.7	2156.3	2160.5
10°	2116.6	2120.8	2129.2	2150.1	2156.3
12.5°	2091.6	2099.9	2114.5	2139.6	2148.0
15°	2060.2	2070.7	2093.7	2120.8	2131.3
17.5°	2024.7	2039.3	2068.6	2099.9	2110.4
20°	1982.9	2001.7	2035.1	2070.7	2083.2
22.5°	1936.9	1959.9	1997.5	2035.1	2049.8
25°	1886.8	1911.9	1953.7	1993.4	2010.1
27.5°	1834.6	1859.6	1905.6	1945.3	1962.0
30°	1771.9	1801.1	1849.2	1891.0	1905.6
32.5°	1711.3	1740.5	1790.7	1828.3	1842.9
35°	1642.3	1669.5	1723.8	1763.5	1778.1
37.5°	1569.2	1600.5	1652.8	1688.3	1700.8
40°	1498.2	1525.3	1575.5	1611.0	1623.5
42.5°	1418.8	1448.0	1498.2	1529.5	1539.9
45°	1339.4	1368.6	1412.5	1445.9	1454.3
47.5°	1257.9	1285.0	1328.9	1356.1	1364.4
50°	1170.1	1195.2	1237.0	1264.1	1274.6
52.5°	1086.5	1109.5	1145.0	1168.0	1174.3
55°	998.8	1019.7	1048.9	1074.0	1082.3
57.5°	904.7	927.7	954.9	975.8	982.1
60°	814.9	833.7	856.7	875.5	877.6
62.5°	727.1	735.5	756.4	773.1	775.2
65°	628.9	641.5	662.4	668.6	679.1
67.5°	539.1	547.4	564.2	572.5	580.9
70°	447.1	453.4	470.1	480.6	482.7
72.5°	367.7	369.8	382.4	390.7	392.8
75°	286.3	290.4	300.9	307.2	311.3
77.5°	217.3	221.5	229.8	234.0	234.0
80°	152.5	158.8	167.2	169.2	171.3
82.5°	98.2	106.6	112.8	114.9	110.7
85°	52.2	62.7	62.7	58.5	60.6
87.5°	18.8	23.0	25.1	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)