

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: P296819

Luminaire Tested: **D3X-WD-60L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296819
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5880.0 lumens
Efficiency: N/A
Efficacy: 132.1 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

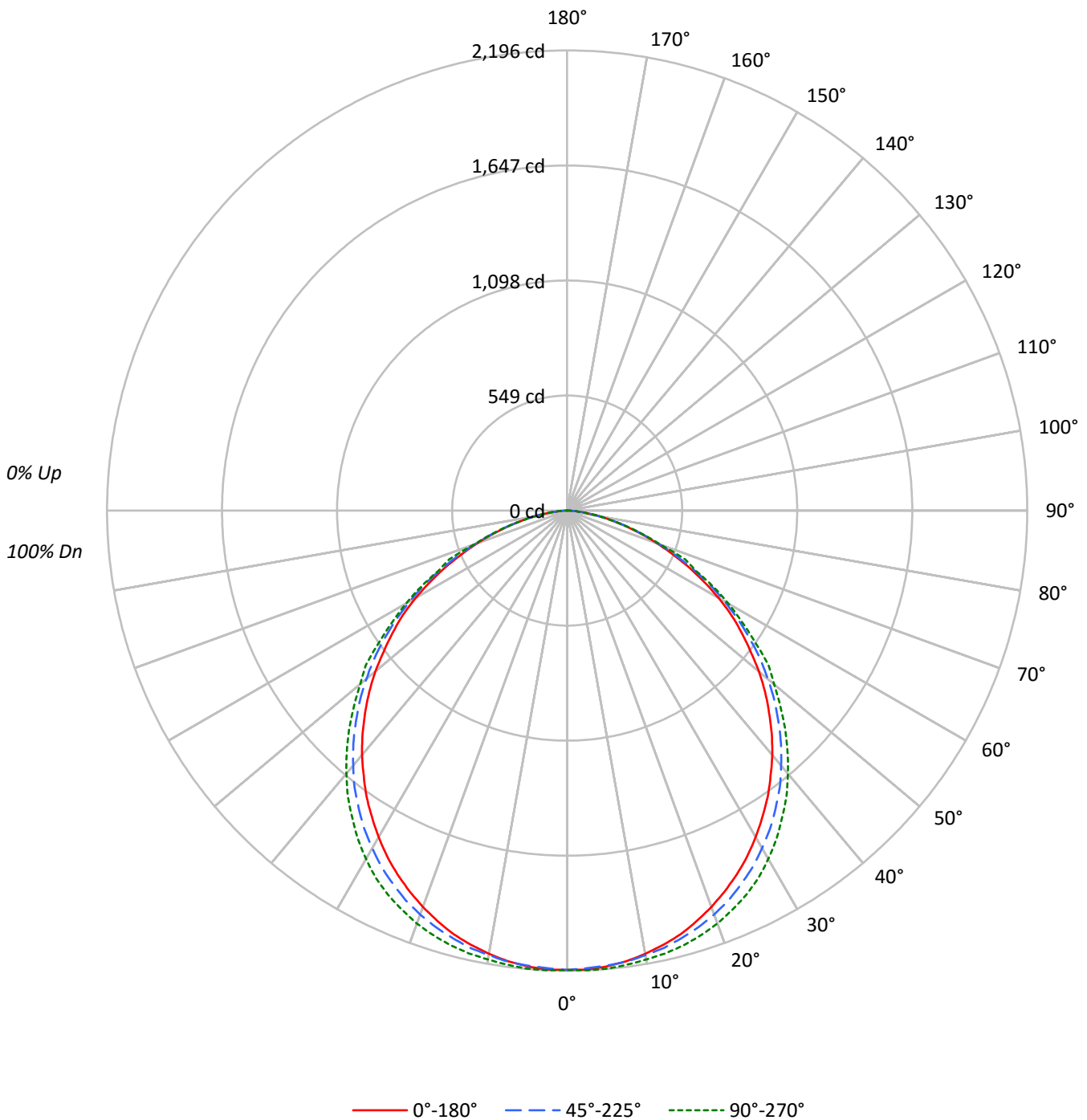
Input Watts (W): 44.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296819

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P296819

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-5500K

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°	2949	2949	2949
5°	2949	2944	2963
10°	2934	2943	2972
15°	2915	2942	2992
20°	2882	2936	3003
25°	2844	2919	3004
30°	2796	2891	2983
35°	2741	2848	2939
40°	2675	2790	2879
45°	2593	2714	2798
50°	2500	2619	2698
55°	2385	2494	2569
60°	2248	2333	2390
65°	2042	2109	2149
70°	1793	1834	1859
75°	1513	1536	1547
80°	1210	1226	1193
85°	814	848	814



TEST NUMBER: P296819

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	3.5
10°-20°	597.4	10.2
20°-30°	906.4	15.4
30°-40°	1082.2	18.4
40°-50°	1095.6	18.6
50°-60°	947.0	16.1
60°-70°	656.3	11.2
70°-80°	317.6	5.4
80°-90°	69.8	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°	1711.6	29.1
0°-40°	2793.7	47.5
0°-60°	4836.3	82.2
0°-90°	5880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2192	2192	2192	2192	2192	
5°	2184	2182	2179	2190	2194	207
15°	2093	2097	2112	2137	2148	590
25°	1916	1928	1966	2006	2023	882
35°	1669	1684	1734	1778	1789	1042
45°	1363	1382	1426	1462	1470	1051
55°	1017	1027	1063	1108	1095	909
65°	641	648	662	673	675	635
75°	291	293	295	293	298	312
85°	53	57	55	53	53	68
90°	0	0	0	0	0	



TEST NUMBER: P296819

CATALOG NUMBER: D3X-WD-60L82765-LD5-UNV-24-T1-W2A-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2192.0	2192.0	2192.0	2192.0	2192.0
2.5°	2192.0	2189.9	2185.7	2192.0	2196.2
5°	2183.6	2181.5	2179.4	2189.9	2194.1
7.5°	2168.8	2168.8	2170.9	2181.5	2185.7
10°	2147.7	2149.8	2154.0	2170.9	2175.1
12.5°	2122.4	2126.6	2137.2	2156.2	2164.6
15°	2092.9	2097.1	2111.9	2137.2	2147.7
17.5°	2054.9	2063.3	2084.4	2114.0	2124.5
20°	2012.7	2023.2	2050.7	2084.4	2097.1
22.5°	1966.3	1976.8	2012.7	2048.6	2061.2
25°	1915.6	1928.3	1966.3	2006.4	2023.2
27.5°	1860.8	1875.6	1917.8	1960.0	1976.8
30°	1799.6	1816.5	1860.8	1905.1	1919.9
32.5°	1734.2	1751.1	1801.7	1843.9	1858.7
35°	1668.8	1683.6	1734.2	1778.5	1789.1
37.5°	1595.0	1611.8	1666.7	1704.7	1719.4
40°	1523.2	1540.1	1588.6	1626.6	1639.3
42.5°	1445.2	1462.1	1510.6	1546.4	1557.0
45°	1362.9	1381.9	1426.2	1462.1	1470.5
47.5°	1280.6	1295.4	1341.8	1373.4	1379.8
50°	1194.1	1208.9	1251.1	1282.7	1289.1
52.5°	1103.4	1126.6	1160.4	1183.6	1211.0
55°	1016.9	1027.4	1063.3	1107.6	1095.0
57.5°	930.4	936.7	966.3	985.2	989.5
60°	835.5	843.9	867.1	877.7	888.2
62.5°	736.3	742.6	770.1	780.6	784.8
65°	641.4	647.7	662.5	673.0	675.1
67.5°	544.3	550.6	563.3	571.7	609.7
70°	455.7	459.9	466.3	483.1	472.6
72.5°	371.3	373.4	379.8	379.8	381.9
75°	291.1	293.3	295.4	293.3	297.5
77.5°	217.3	221.5	223.6	221.5	219.4
80°	156.1	160.3	158.2	154.0	154.0
82.5°	101.3	103.4	101.3	99.2	99.2
85°	52.7	57.0	54.9	52.7	52.7
87.5°	19.0	21.1	23.2	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)