

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: P297246

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297246
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-67L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5706.0 lumens
Efficiency: N/A
Efficacy: 115.0 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

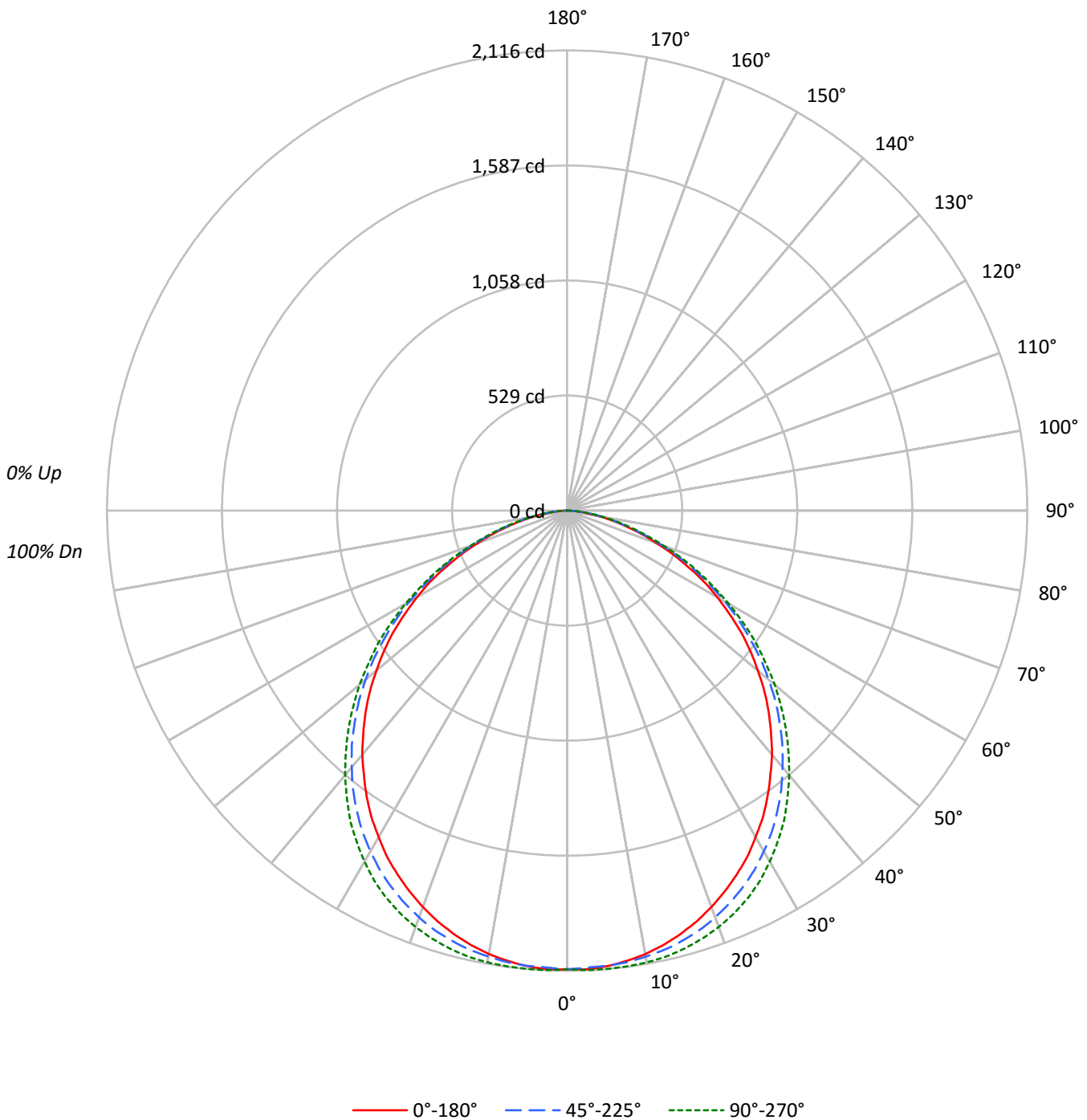
Input Watts (W): 49.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297246

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P297246

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-4500K

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°	2838	2838	2838
5°	2841	2838	2857
10°	2829	2846	2882
15°	2807	2853	2904
20°	2777	2851	2918
25°	2740	2837	2919
30°	2693	2810	2896
35°	2639	2770	2857
40°	2574	2707	2790
45°	2493	2629	2707
50°	2396	2533	2610
55°	2292	2407	2484
60°	2145	2255	2310
65°	1959	2063	2115
70°	1721	1809	1858
75°	1456	1530	1583
80°	1156	1267	1299
85°	789	946	915



TEST NUMBER: P297246

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.4	3.5
10°-20°	578.6	10.1
20°-30°	879.4	15.4
30°-40°	1049.3	18.4
40°-50°	1059.8	18.6
50°-60°	913.0	16.0
60°-70°	636.5	11.2
70°-80°	315.4	5.5
80°-90°	73.5	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°	1658.4	29.1
0°-40°	2707.7	47.5
0°-60°	4680.5	82.0
0°-90°	5706.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5706.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	2103	2101	2101	2111	2116	200
15°	2015	2026	2048	2075	2085	568
25°	1846	1870	1911	1950	1966	850
35°	1607	1633	1686	1725	1739	1004
45°	1310	1339	1382	1414	1423	1010
55°	977	998	1026	1051	1059	871
65°	615	628	648	654	664	611
75°	280	284	294	300	305	302
85°	51	61	61	57	59	65
90°	0	0	0	0	0	



TEST NUMBER: P297246

CATALOG NUMBER: D3X-WG-67L92765-LD5-UNV-24-T1-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2109.4	2109.4	2109.4	2109.4	2109.4
2.5°	2111.4	2107.3	2103.3	2111.4	2115.5
5°	2103.3	2101.2	2101.2	2111.4	2115.5
7.5°	2088.9	2088.9	2095.1	2109.4	2113.5
10°	2070.6	2074.6	2082.8	2103.3	2109.4
12.5°	2046.0	2054.2	2068.5	2093.0	2101.2
15°	2015.4	2025.6	2048.1	2074.6	2084.9
17.5°	1980.6	1994.9	2023.5	2054.2	2064.4
20°	1939.7	1958.1	1990.8	2025.6	2037.8
22.5°	1894.8	1917.3	1954.0	1990.8	2005.1
25°	1845.7	1870.2	1911.1	1950.0	1966.3
27.5°	1794.6	1819.1	1864.1	1902.9	1919.3
30°	1733.3	1761.9	1808.9	1849.8	1864.1
32.5°	1674.0	1702.6	1751.7	1788.5	1802.8
35°	1606.6	1633.1	1686.3	1725.1	1739.4
37.5°	1535.0	1565.7	1616.8	1651.5	1663.8
40°	1465.5	1492.1	1541.2	1575.9	1588.2
42.5°	1387.9	1416.5	1465.5	1496.2	1506.4
45°	1310.2	1338.8	1381.7	1414.4	1422.6
47.5°	1230.5	1257.0	1300.0	1326.5	1334.7
50°	1144.6	1169.2	1210.0	1236.6	1246.8
52.5°	1062.9	1085.4	1120.1	1142.6	1148.7
55°	977.0	997.5	1026.1	1050.6	1058.8
57.5°	885.0	907.5	934.1	954.5	960.7
60°	797.2	815.5	838.0	856.4	858.5
62.5°	711.3	719.5	739.9	756.3	758.3
65°	615.2	627.5	647.9	654.1	664.3
67.5°	527.3	535.5	551.9	560.1	568.2
70°	437.4	443.5	459.9	470.1	472.2
72.5°	359.7	361.8	374.0	382.2	384.3
75°	280.0	284.1	294.3	300.5	304.6
77.5°	212.6	216.7	224.8	228.9	228.9
80°	149.2	155.3	163.5	165.6	167.6
82.5°	96.1	104.2	110.4	112.4	108.3
85°	51.1	61.3	61.3	57.2	59.3
87.5°	18.4	22.5	24.5	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)