

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: P297245

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297245
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-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5562.0 lumens
Efficiency: N/A
Efficacy: 113.0 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

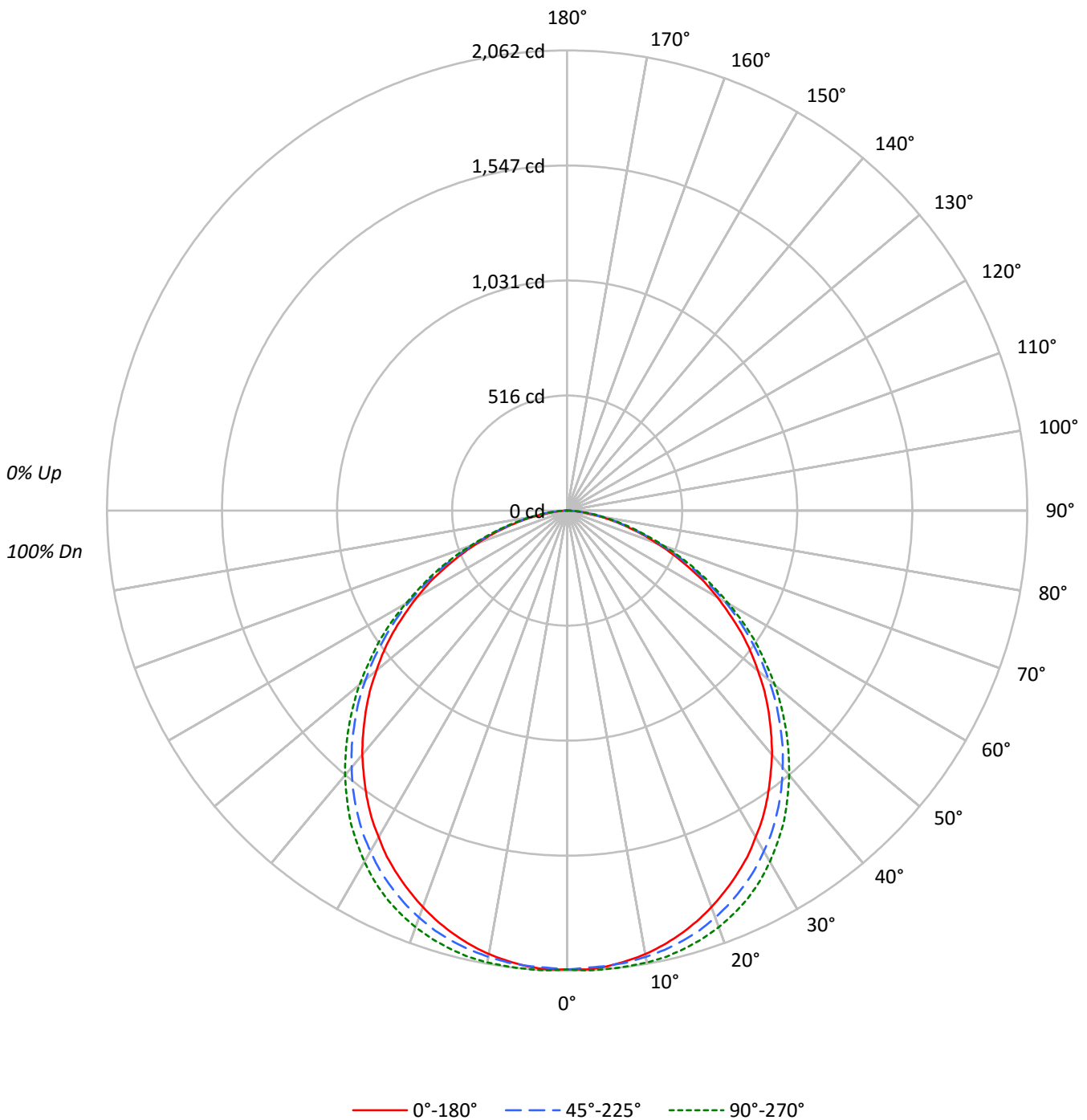
Input Watts (W): 49.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2767	2767	2767
5°	2769	2766	2785
10°	2757	2774	2809
15°	2736	2781	2831
20°	2707	2779	2844
25°	2671	2766	2846
30°	2625	2740	2823
35°	2572	2700	2785
40°	2509	2639	2719
45°	2430	2563	2639
50°	2335	2469	2544
55°	2234	2346	2421
60°	2091	2198	2252
65°	1909	2011	2061
70°	1677	1764	1810
75°	1419	1491	1543
80°	1127	1235	1266
85°	769	923	892



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	3.5
10°-20°	564.0	10.1
20°-30°	857.2	15.4
30°-40°	1022.8	18.4
40°-50°	1033.0	18.6
50°-60°	890.0	16.0
60°-70°	620.4	11.2
70°-80°	307.5	5.5
80°-90°	71.7	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°	1616.6	29.1
0°-40°	2639.4	47.5
0°-60°	4562.4	82.0
0°-90°	5562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5562.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2056	2056	2056	2056	2056	
5°	2050	2048	2048	2058	2062	195
15°	1964	1974	1996	2022	2032	554
25°	1799	1823	1863	1901	1917	829
35°	1566	1592	1644	1682	1696	979
45°	1277	1305	1347	1379	1387	984
55°	952	972	1000	1024	1032	849
65°	600	612	632	638	648	596
75°	273	277	287	293	297	294
85°	50	60	60	56	58	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2056.2	2056.2	2056.2	2056.2	2056.2
2.5°	2058.1	2054.2	2050.2	2058.1	2062.1
5°	2050.2	2048.2	2048.2	2058.1	2062.1
7.5°	2036.2	2036.2	2042.2	2056.2	2060.1
10°	2018.3	2022.3	2030.3	2050.2	2056.2
12.5°	1994.4	2002.4	2016.3	2040.2	2048.2
15°	1964.5	1974.5	1996.4	2022.3	2032.2
17.5°	1930.6	1944.6	1972.5	2002.4	2012.3
20°	1890.8	1908.7	1940.6	1974.5	1986.4
22.5°	1847.0	1868.9	1904.7	1940.6	1954.5
25°	1799.1	1823.0	1862.9	1900.7	1916.7
27.5°	1749.3	1773.2	1817.1	1854.9	1870.9
30°	1689.6	1717.4	1763.3	1803.1	1817.1
32.5°	1631.8	1659.7	1707.5	1743.3	1757.3
35°	1566.0	1591.9	1643.7	1681.6	1695.5
37.5°	1496.3	1526.2	1576.0	1609.9	1621.8
40°	1428.5	1454.4	1502.3	1536.1	1548.1
42.5°	1352.8	1380.7	1428.5	1458.4	1468.4
45°	1277.1	1305.0	1346.9	1378.7	1386.7
47.5°	1199.4	1225.3	1267.2	1293.1	1301.0
50°	1115.7	1139.7	1179.5	1205.4	1215.4
52.5°	1036.0	1058.0	1091.8	1113.7	1119.7
55°	952.4	972.3	1000.2	1024.1	1032.1
57.5°	862.7	884.6	910.5	930.4	936.4
60°	777.0	795.0	816.9	834.8	836.8
62.5°	693.4	701.3	721.2	737.2	739.2
65°	599.7	611.7	631.6	637.6	647.5
67.5°	514.0	522.0	537.9	545.9	553.9
70°	426.4	432.4	448.3	458.3	460.2
72.5°	350.7	352.7	364.6	372.6	374.6
75°	273.0	276.9	286.9	292.9	296.9
77.5°	207.2	211.2	219.2	223.1	223.1
80°	145.4	151.4	159.4	161.4	163.4
82.5°	93.6	101.6	107.6	109.6	105.6
85°	49.8	59.8	59.8	55.8	57.8
87.5°	17.9	21.9	23.9	25.9	25.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)