

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: P296961

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296961
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-60L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5367.0 lumens
Efficiency: N/A
Efficacy: 118.5 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

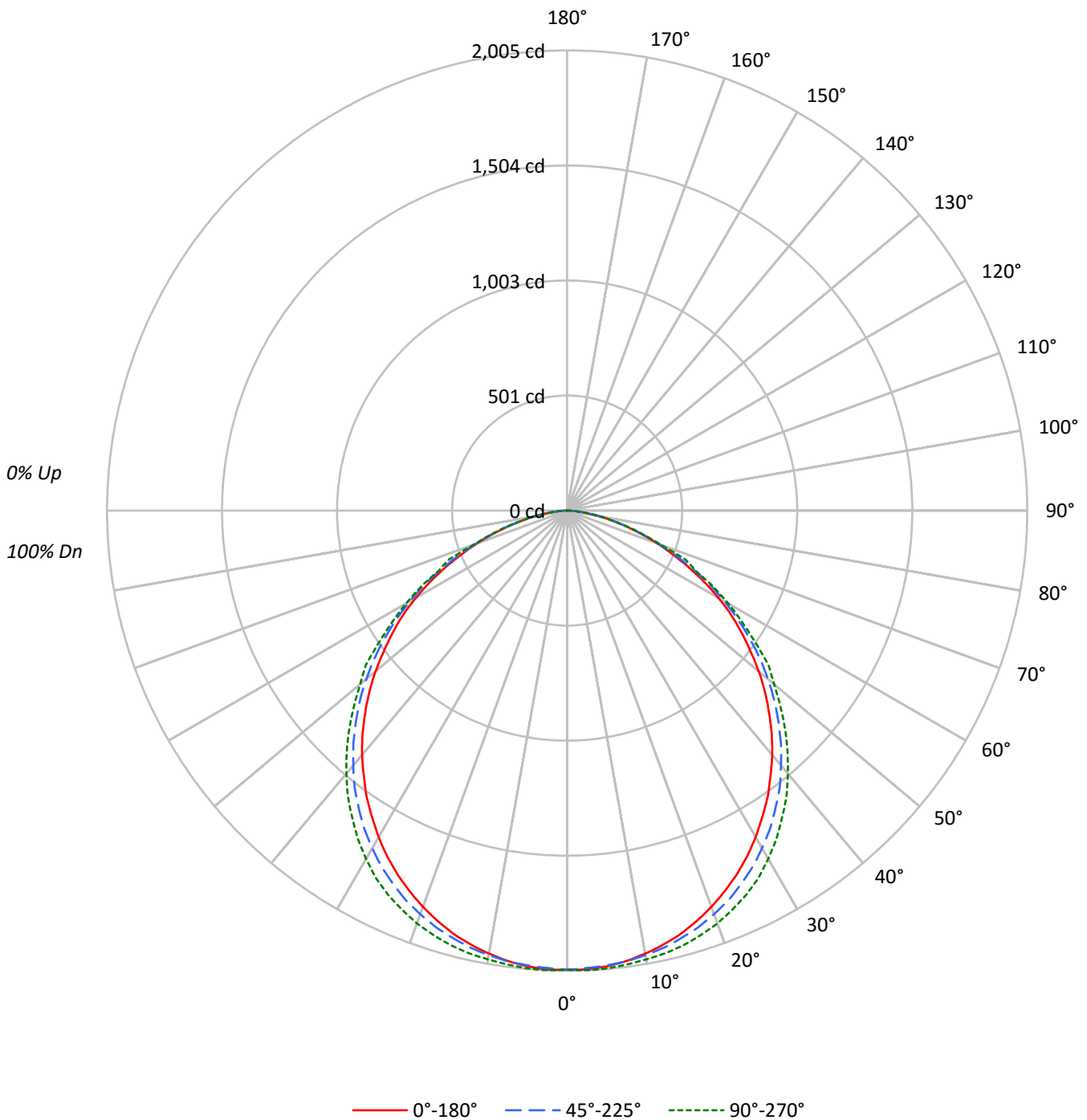
Input Watts (W): 45.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2692	2692	2692
5°	2692	2687	2705
10°	2678	2686	2713
15°	2661	2685	2731
20°	2630	2680	2741
25°	2596	2664	2742
30°	2552	2639	2723
35°	2502	2600	2682
40°	2442	2547	2628
45°	2367	2477	2554
50°	2281	2390	2463
55°	2177	2277	2344
60°	2052	2130	2182
65°	1864	1925	1962
70°	1636	1674	1697
75°	1381	1402	1411
80°	1104	1119	1089
85°	743	773	743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.6	3.5
10°-20°	545.3	10.2
20°-30°	827.3	15.4
30°-40°	987.7	18.4
40°-50°	1000.0	18.6
50°-60°	864.4	16.1
60°-70°	599.1	11.2
70°-80°	289.9	5.4
80°-90°	63.7	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°	1562.2	29.1
0°-40°	2550.0	47.5
0°-60°	4414.3	82.2
0°-90°	5367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2001	2001	2001	2001	2001	
5°	1993	1991	1989	1999	2003	189
15°	1910	1914	1928	1951	1960	538
25°	1748	1760	1795	1831	1847	805
35°	1523	1537	1583	1623	1633	952
45°	1244	1261	1302	1334	1342	959
55°	928	938	970	1011	999	830
65°	585	591	605	614	616	579
75°	266	268	270	268	272	285
85°	48	52	50	48	48	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2000.8	2000.8	2000.8	2000.8	2000.8
2.5°	2000.8	1998.9	1995.0	2000.8	2004.6
5°	1993.1	1991.2	1989.2	1998.9	2002.7
7.5°	1979.6	1979.6	1981.5	1991.2	1995.0
10°	1960.3	1962.3	1966.1	1981.5	1985.4
12.5°	1937.2	1941.1	1950.7	1968.0	1975.7
15°	1910.3	1914.1	1927.6	1950.7	1960.3
17.5°	1875.6	1883.3	1902.6	1929.5	1939.2
20°	1837.1	1846.7	1871.8	1902.6	1914.1
22.5°	1794.7	1804.4	1837.1	1869.8	1881.4
25°	1748.5	1760.1	1794.7	1831.3	1846.7
27.5°	1698.4	1711.9	1750.4	1789.0	1804.4
30°	1642.6	1658.0	1698.4	1738.9	1752.4
32.5°	1582.9	1598.3	1644.5	1683.0	1696.5
35°	1523.2	1536.7	1582.9	1623.3	1633.0
37.5°	1455.8	1471.2	1521.3	1555.9	1569.4
40°	1390.3	1405.7	1450.0	1484.7	1496.3
42.5°	1319.1	1334.5	1378.8	1411.5	1421.2
45°	1244.0	1261.3	1301.8	1334.5	1342.2
47.5°	1168.9	1182.4	1224.7	1253.6	1259.4
50°	1089.9	1103.4	1141.9	1170.8	1176.6
52.5°	1007.1	1028.3	1059.1	1080.3	1105.3
55°	928.2	937.8	970.5	1011.0	999.4
57.5°	849.2	855.0	882.0	899.3	903.1
60°	762.6	770.3	791.5	801.1	810.7
62.5°	672.1	677.8	702.9	712.5	716.4
65°	585.4	591.2	604.7	614.3	616.2
67.5°	496.8	502.6	514.2	521.9	556.5
70°	415.9	419.8	425.6	441.0	431.4
72.5°	338.9	340.8	346.6	346.6	348.5
75°	265.7	267.7	269.6	267.7	271.5
77.5°	198.3	202.2	204.1	202.2	200.3
80°	142.5	146.4	144.4	140.6	140.6
82.5°	92.4	94.4	92.4	90.5	90.5
85°	48.1	52.0	50.1	48.1	48.1
87.5°	17.3	19.3	21.2	23.1	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)