

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: P297241

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297241
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-60L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5376.0 lumens
Efficiency: N/A
Efficacy: 118.7 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

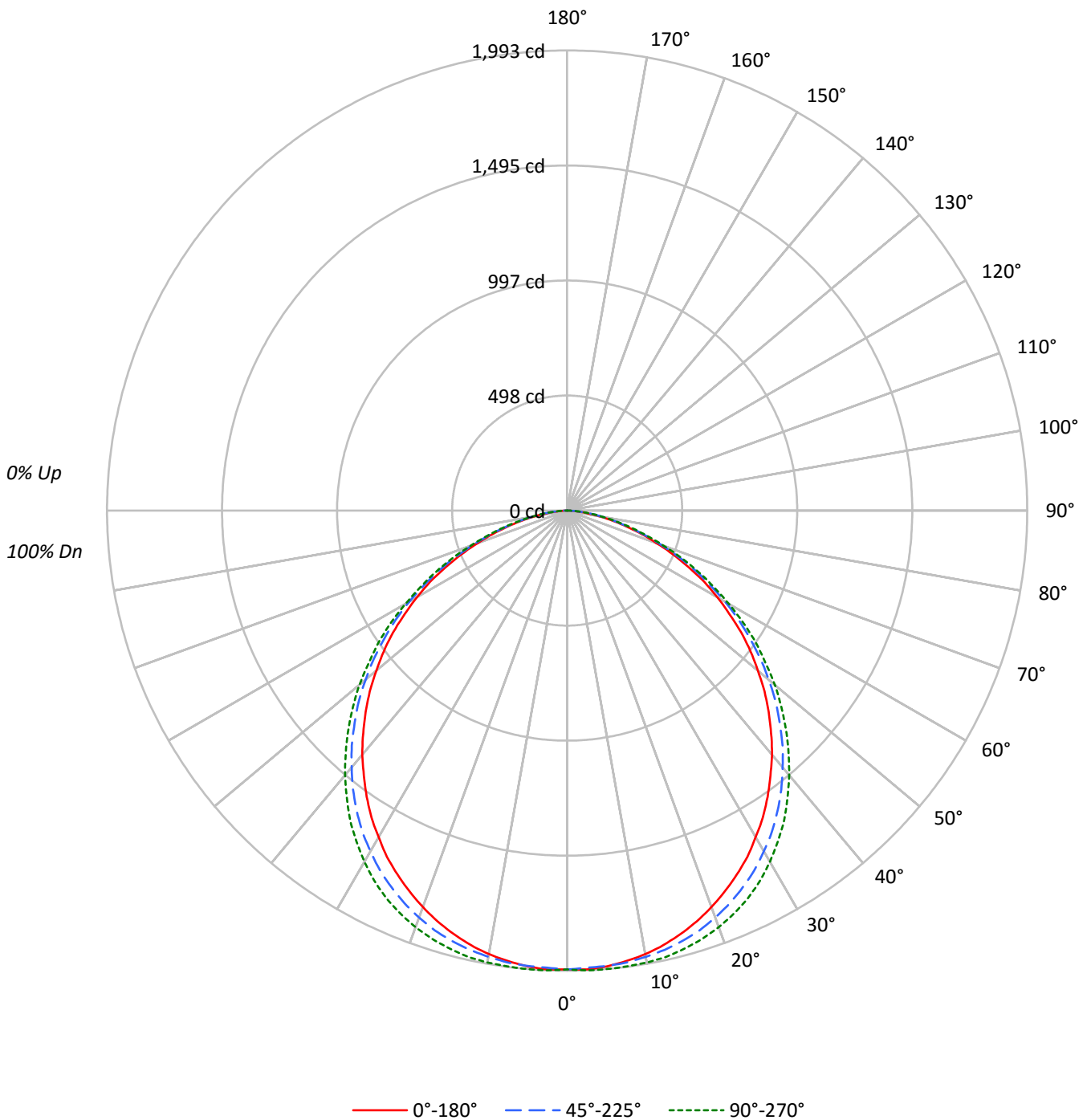
Input Watts (W): 45.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2674	2674	2674
5°	2676	2674	2692
10°	2665	2681	2715
15°	2645	2688	2736
20°	2617	2686	2749
25°	2582	2673	2750
30°	2537	2648	2729
35°	2486	2610	2692
40°	2425	2550	2628
45°	2349	2477	2550
50°	2257	2386	2459
55°	2159	2268	2340
60°	2021	2125	2176
65°	1846	1944	1993
70°	1621	1705	1750
75°	1371	1442	1491
80°	1089	1194	1223
85°	743	892	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	3.5
10°-20°	545.2	10.1
20°-30°	828.5	15.4
30°-40°	988.6	18.4
40°-50°	998.5	18.6
50°-60°	860.2	16.0
60°-70°	599.7	11.2
70°-80°	297.2	5.5
80°-90°	69.3	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°	1562.5	29.1
0°-40°	2551.1	47.5
0°-60°	4409.8	82.0
0°-90°	5376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1982	1980	1980	1989	1993	188
15°	1899	1908	1930	1955	1964	536
25°	1739	1762	1801	1837	1853	801
35°	1514	1539	1589	1625	1639	946
45°	1234	1261	1302	1333	1340	952
55°	920	940	967	990	998	820
65°	580	591	610	616	626	576
75°	264	268	277	283	287	284
85°	48	58	58	54	56	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1987.4	1987.4	1987.4	1987.4	1987.4
2.5°	1989.3	1985.5	1981.6	1989.3	1993.2
5°	1981.6	1979.7	1979.7	1989.3	1993.2
7.5°	1968.1	1968.1	1973.9	1987.4	1991.2
10°	1950.8	1954.7	1962.4	1981.6	1987.4
12.5°	1927.7	1935.4	1948.9	1972.0	1979.7
15°	1898.8	1908.4	1929.6	1954.7	1964.3
17.5°	1866.1	1879.6	1906.5	1935.4	1945.0
20°	1827.6	1844.9	1875.7	1908.4	1920.0
22.5°	1785.2	1806.4	1841.0	1875.7	1889.2
25°	1739.0	1762.1	1800.6	1837.2	1852.6
27.5°	1690.8	1713.9	1756.3	1792.9	1808.3
30°	1633.1	1660.0	1704.3	1742.8	1756.3
32.5°	1577.2	1604.2	1650.4	1685.0	1698.5
35°	1513.7	1538.7	1588.8	1625.3	1638.8
37.5°	1446.3	1475.1	1523.3	1556.0	1567.6
40°	1380.8	1405.8	1452.0	1484.8	1496.3
42.5°	1307.6	1334.6	1380.8	1409.7	1419.3
45°	1234.4	1261.4	1301.8	1332.6	1340.3
47.5°	1159.3	1184.3	1224.8	1249.8	1257.5
50°	1078.4	1101.5	1140.1	1165.1	1174.7
52.5°	1001.4	1022.6	1055.3	1076.5	1082.3
55°	920.5	939.8	966.7	989.8	997.5
57.5°	833.9	855.0	880.1	899.3	905.1
60°	751.0	768.4	789.6	806.9	808.8
62.5°	670.2	677.9	697.1	712.5	714.5
65°	579.7	591.2	610.5	616.2	625.9
67.5°	496.8	504.6	520.0	527.7	535.4
70°	412.1	417.9	433.3	442.9	444.9
72.5°	338.9	340.9	352.4	360.1	362.0
75°	263.8	267.7	277.3	283.1	286.9
77.5°	200.3	204.1	211.8	215.7	215.7
80°	140.6	146.4	154.1	156.0	157.9
82.5°	90.5	98.2	104.0	105.9	102.1
85°	48.1	57.8	57.8	53.9	55.8
87.5°	17.3	21.2	23.1	25.0	25.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)