

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: P297516

Luminaire Tested: **D3X-WO-60L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-60L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5320.0 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

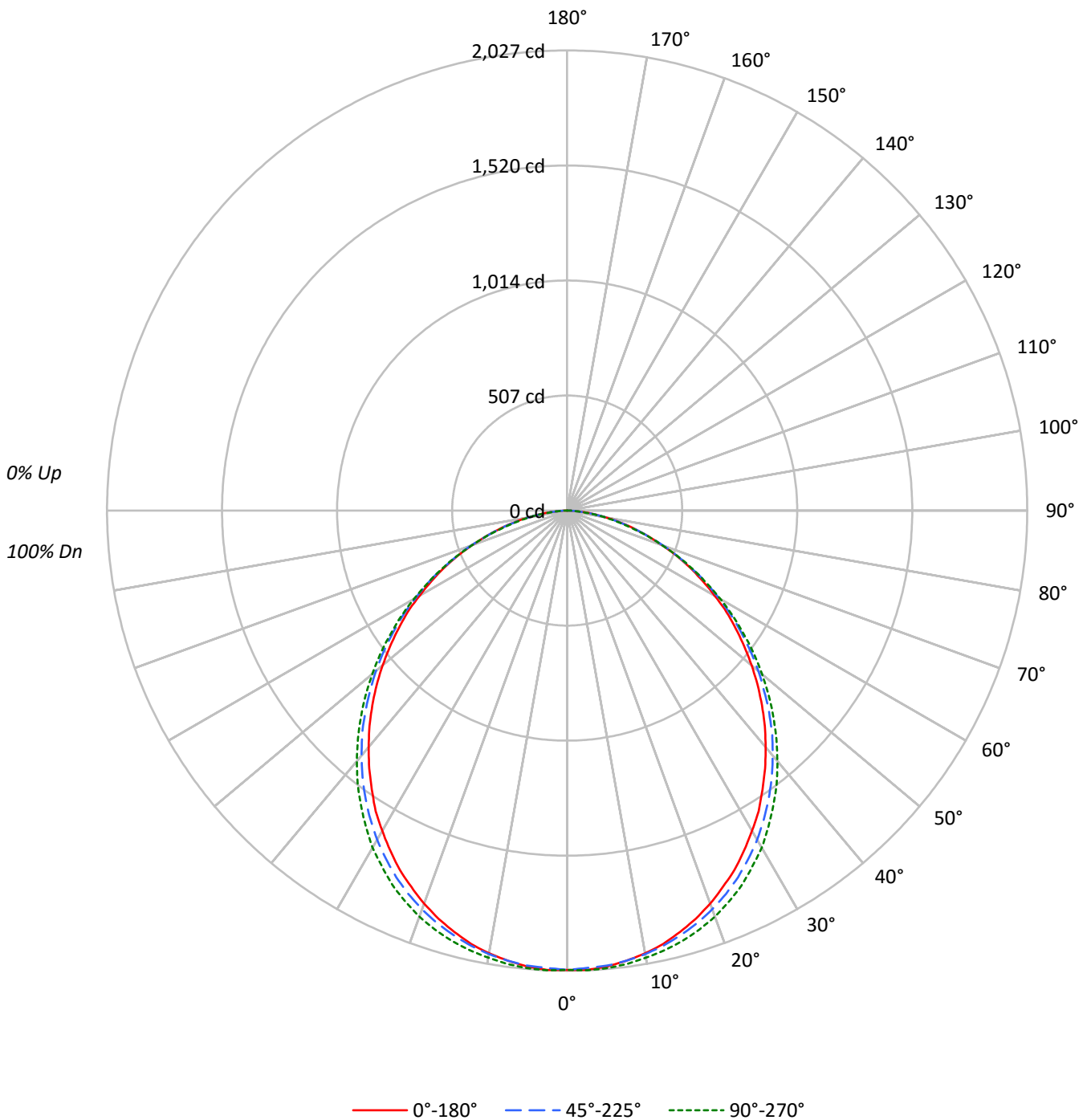
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	2722	2722	2722
5°	2723	2718	2733
10°	2706	2710	2732
15°	2676	2696	2734
20°	2638	2676	2725
25°	2591	2645	2703
30°	2531	2600	2665
35°	2464	2543	2602
40°	2389	2474	2531
45°	2309	2394	2445
50°	2221	2303	2345
55°	2127	2194	2228
60°	2021	2074	2098
65°	1906	1934	1946
70°	1748	1769	1748
75°	1575	1565	1519
80°	1333	1320	1278
85°	996	968	858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	3.6
10°-20°	547.2	10.3
20°-30°	820.5	15.4
30°-40°	966.3	18.2
40°-50°	966.4	18.2
50°-60°	833.9	15.7
60°-70°	600.0	11.3
70°-80°	318.3	6.0
80°-90°	75.9	1.4
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°	1559.3	29.3
0°-40°	2525.6	47.5
0°-60°	4325.8	81.3
0°-90°	5320.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5320.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2023	2023	2023	2023	2023	
5°	2016	2014	2012	2020	2023	191
15°	1921	1926	1936	1955	1962	542
25°	1746	1756	1781	1812	1821	803
35°	1500	1518	1548	1575	1584	938
45°	1213	1229	1258	1280	1285	936
55°	907	916	936	952	950	812
65°	599	600	608	611	611	592
75°	303	299	301	294	292	322
85°	64	64	63	57	56	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2023.3	2023.3	2023.3	2023.3	2023.3
2.5°	2025.1	2021.5	2016.1	2023.3	2026.9
5°	2016.1	2014.3	2012.5	2019.7	2023.3
7.5°	2000.0	2001.8	2000.0	2010.7	2014.3
10°	1980.3	1982.1	1983.9	1996.4	2000.0
12.5°	1955.2	1957.0	1962.4	1978.5	1983.9
15°	1921.1	1926.5	1935.5	1955.2	1962.4
17.5°	1885.3	1892.5	1905.0	1928.3	1935.5
20°	1842.3	1851.3	1869.2	1894.3	1903.2
22.5°	1793.9	1802.9	1828.0	1854.8	1863.8
25°	1745.5	1756.3	1781.4	1811.8	1820.8
27.5°	1688.2	1702.5	1729.4	1759.9	1767.0
30°	1629.0	1641.6	1673.8	1702.5	1715.1
32.5°	1569.9	1582.4	1612.9	1641.6	1650.5
35°	1500.0	1517.9	1548.4	1575.3	1584.2
37.5°	1431.9	1448.0	1480.3	1507.2	1516.1
40°	1360.2	1374.5	1408.6	1433.7	1440.9
42.5°	1288.5	1302.9	1336.9	1356.6	1363.8
45°	1213.3	1229.4	1258.1	1279.6	1284.9
47.5°	1138.0	1150.5	1177.4	1197.1	1204.3
50°	1060.9	1073.5	1100.4	1116.5	1120.1
52.5°	983.9	992.8	1017.9	1032.3	1037.6
55°	906.8	915.8	935.5	951.6	949.8
57.5°	833.3	836.9	856.6	867.4	867.4
60°	750.9	754.5	770.6	777.8	779.6
62.5°	673.8	679.2	691.8	693.5	693.5
65°	598.6	600.4	607.5	611.1	611.1
67.5°	523.3	521.5	528.7	528.7	526.9
70°	444.4	448.0	449.8	446.2	444.4
72.5°	372.8	371.0	371.0	369.2	369.2
75°	302.9	299.3	301.1	293.9	292.1
77.5°	238.4	233.0	231.2	227.6	224.0
80°	172.0	172.0	170.3	166.7	164.9
82.5°	114.7	114.7	112.9	109.3	105.7
85°	64.5	64.5	62.7	57.3	55.6
87.5°	21.5	21.5	21.5	21.5	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)