

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: P297236

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297236
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-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: 5003.0 lumens
Efficiency: N/A
Efficacy: 114.5 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

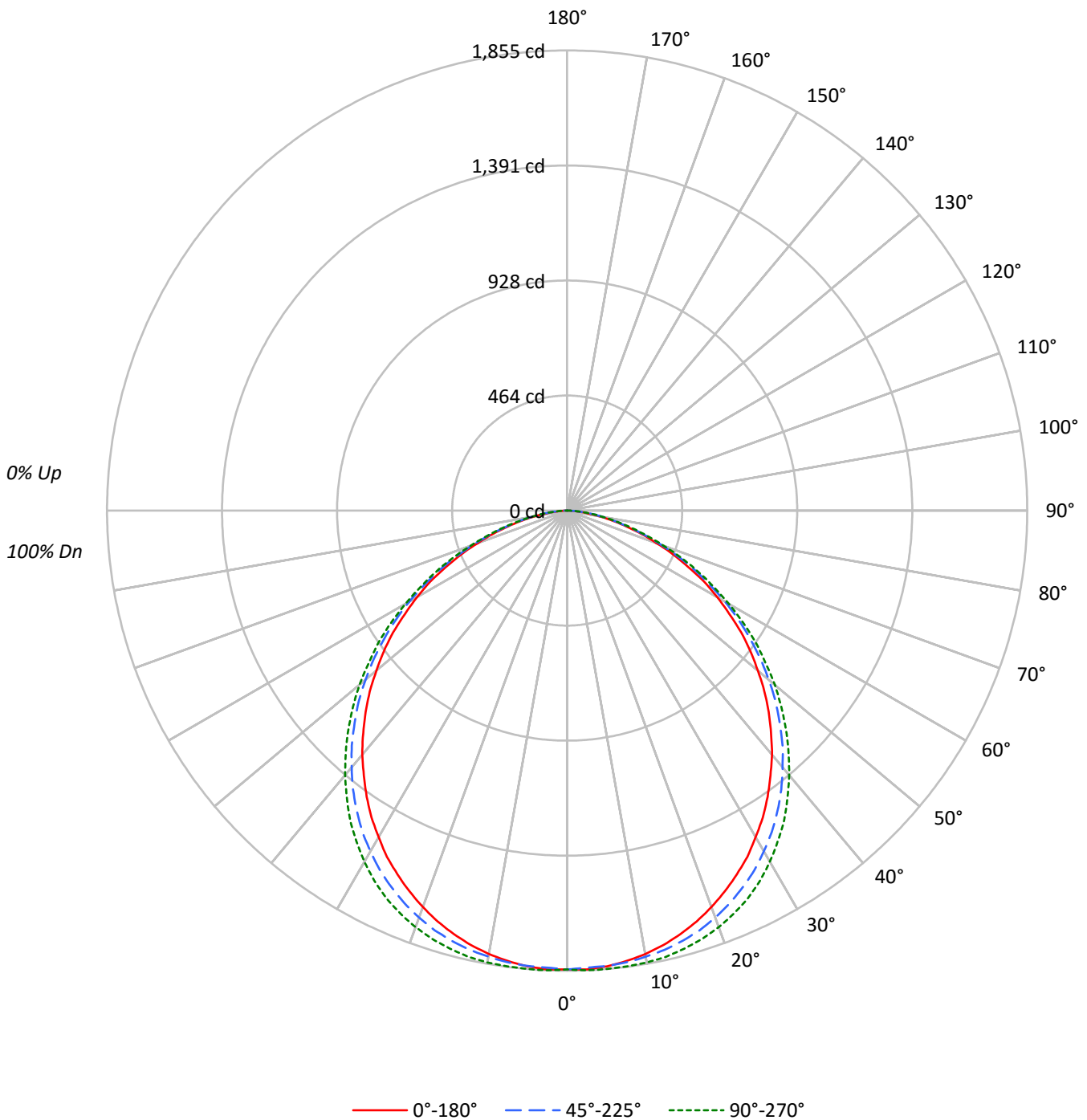
Input Watts (W): 43.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2488	2488	2488
5°	2491	2488	2505
10°	2480	2495	2527
15°	2461	2501	2546
20°	2435	2499	2558
25°	2403	2488	2560
30°	2361	2464	2539
35°	2314	2428	2505
40°	2257	2373	2446
45°	2186	2305	2373
50°	2101	2221	2288
55°	2009	2111	2178
60°	1881	1977	2025
65°	1717	1809	1855
70°	1509	1586	1629
75°	1276	1342	1388
80°	1013	1111	1139
85°	692	831	803



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.7	3.5
10°-20°	507.4	10.1
20°-30°	771.0	15.4
30°-40°	920.0	18.4
40°-50°	929.2	18.6
50°-60°	800.6	16.0
60°-70°	558.1	11.2
70°-80°	276.6	5.5
80°-90°	64.5	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°	1454.1	29.1
0°-40°	2374.1	47.5
0°-60°	4103.9	82.0
0°-90°	5003.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5003.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1850	1850	1850	1850	1850	
5°	1844	1842	1842	1851	1855	175
15°	1767	1776	1796	1819	1828	498
25°	1618	1640	1676	1710	1724	745
35°	1409	1432	1478	1513	1525	880
45°	1149	1174	1212	1240	1247	886
55°	857	875	900	921	928	763
65°	539	550	568	574	582	536
75°	246	249	258	263	267	265
85°	45	54	54	50	52	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1849.5	1849.5	1849.5	1849.5	1849.5
2.5°	1851.3	1847.7	1844.1	1851.3	1854.9
5°	1844.1	1842.3	1842.3	1851.3	1854.9
7.5°	1831.6	1831.6	1837.0	1849.5	1853.1
10°	1815.5	1819.0	1826.2	1844.1	1849.5
12.5°	1793.9	1801.1	1813.7	1835.2	1842.3
15°	1767.1	1776.0	1795.7	1819.0	1828.0
17.5°	1736.6	1749.1	1774.2	1801.1	1810.1
20°	1700.8	1716.9	1745.6	1776.0	1786.8
22.5°	1661.3	1681.0	1713.3	1745.6	1758.1
25°	1618.3	1639.8	1675.7	1709.7	1724.1
27.5°	1573.5	1595.0	1634.4	1668.5	1682.8
30°	1519.7	1544.8	1586.1	1621.9	1634.4
32.5°	1467.8	1492.9	1535.9	1568.1	1580.7
35°	1408.6	1431.9	1478.5	1512.6	1525.1
37.5°	1345.9	1372.8	1417.6	1448.1	1458.8
40°	1285.0	1308.3	1351.3	1381.8	1392.5
42.5°	1216.9	1242.0	1285.0	1311.9	1320.8
45°	1148.8	1173.9	1211.5	1240.2	1247.3
47.5°	1078.9	1102.2	1139.8	1163.1	1170.3
50°	1003.6	1025.1	1061.0	1084.3	1093.2
52.5°	931.9	951.6	982.1	1001.8	1007.2
55°	856.6	874.6	899.7	921.2	928.3
57.5°	776.0	795.7	819.0	836.9	842.3
60°	698.9	715.1	734.8	750.9	752.7
62.5°	623.7	630.8	648.8	663.1	664.9
65°	539.4	550.2	568.1	573.5	582.5
67.5°	462.4	469.5	483.9	491.1	498.2
70°	383.5	388.9	403.2	412.2	414.0
72.5°	315.4	317.2	328.0	335.1	336.9
75°	245.5	249.1	258.1	263.4	267.0
77.5°	186.4	190.0	197.1	200.7	200.7
80°	130.8	136.2	143.4	145.2	147.0
82.5°	84.2	91.4	96.8	98.6	95.0
85°	44.8	53.8	53.8	50.2	52.0
87.5°	16.1	19.7	21.5	23.3	23.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)