

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: P296949

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296949
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-55L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4815.0 lumens
Efficiency: N/A
Efficacy: 122.8 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

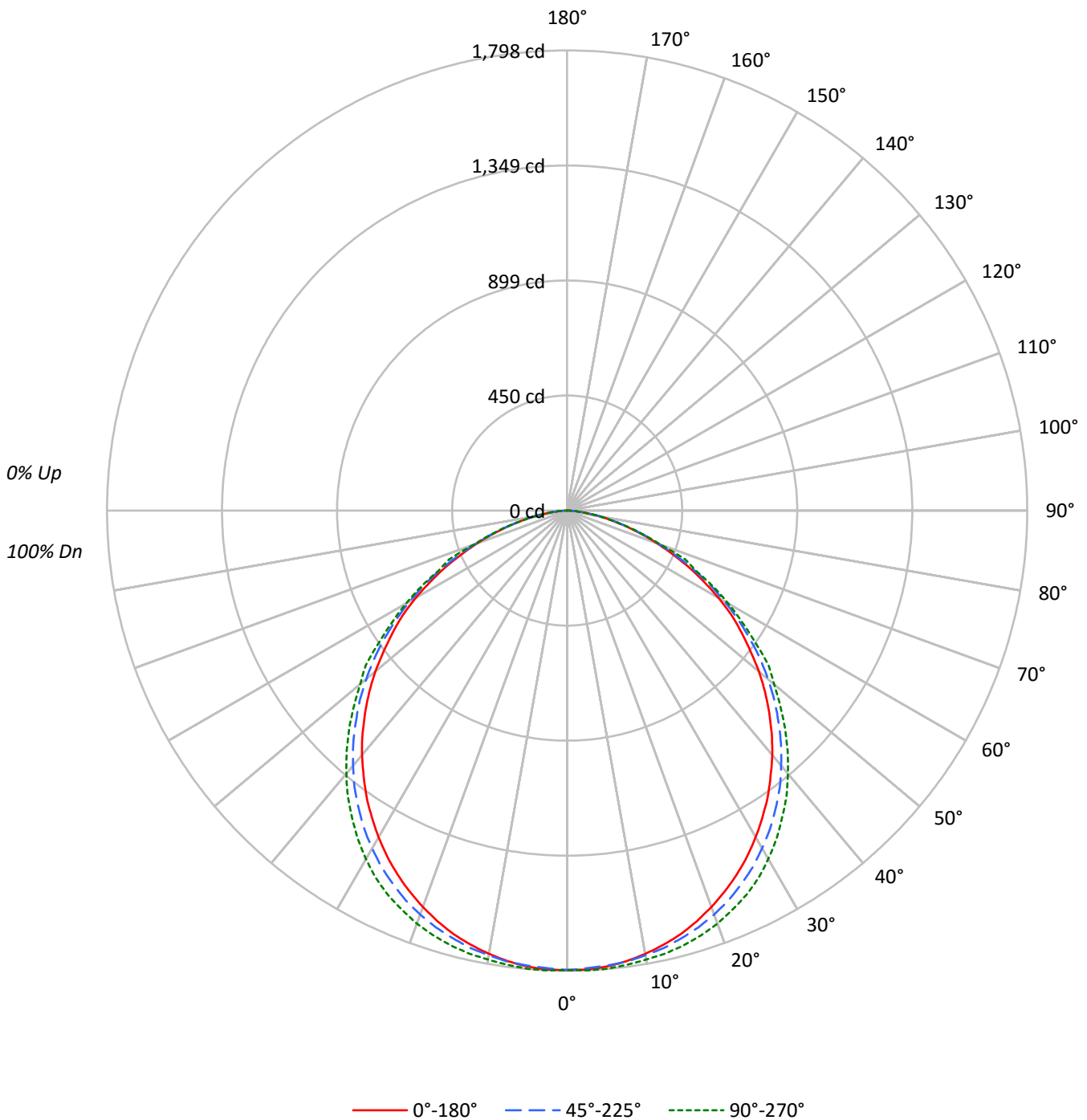
Input Watts (W): 39.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2415	2415	2415
5°	2415	2410	2427
10°	2403	2410	2434
15°	2387	2409	2450
20°	2360	2404	2459
25°	2329	2390	2460
30°	2290	2367	2442
35°	2245	2333	2406
40°	2191	2285	2358
45°	2124	2222	2291
50°	2047	2144	2210
55°	1953	2042	2103
60°	1841	1911	1957
65°	1672	1727	1760
70°	1468	1502	1522
75°	1239	1258	1266
80°	990	1004	977
85°	667	693	667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.1	3.5
10°-20°	489.2	10.2
20°-30°	742.2	15.4
30°-40°	886.1	18.4
40°-50°	897.1	18.6
50°-60°	775.5	16.1
60°-70°	537.5	11.2
70°-80°	260.1	5.4
80°-90°	57.2	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°	1401.6	29.1
0°-40°	2287.7	47.5
0°-60°	3960.3	82.2
0°-90°	4815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1795	1795	1795	1795	1795	
5°	1788	1786	1785	1793	1797	170
15°	1714	1717	1729	1750	1759	483
25°	1569	1579	1610	1643	1657	722
35°	1366	1379	1420	1456	1465	854
45°	1116	1132	1168	1197	1204	861
55°	833	841	871	907	897	744
65°	525	530	542	551	553	520
75°	238	240	242	240	244	256
85°	43	47	45	43	43	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1795.0	1795.0	1795.0	1795.0	1795.0
2.5°	1795.0	1793.3	1789.8	1795.0	1798.5
5°	1788.1	1786.4	1784.6	1793.3	1796.7
7.5°	1776.0	1776.0	1777.7	1786.4	1789.8
10°	1758.7	1760.4	1763.9	1777.7	1781.2
12.5°	1738.0	1741.4	1750.1	1765.6	1772.5
15°	1713.8	1717.3	1729.3	1750.1	1758.7
17.5°	1682.7	1689.6	1706.9	1731.1	1739.7
20°	1648.1	1656.8	1679.2	1706.9	1717.3
22.5°	1610.1	1618.8	1648.1	1677.5	1687.9
25°	1568.7	1579.0	1610.1	1643.0	1656.8
27.5°	1523.8	1535.9	1570.4	1605.0	1618.8
30°	1473.7	1487.5	1523.8	1560.0	1572.1
32.5°	1420.1	1433.9	1475.4	1509.9	1522.0
35°	1366.5	1378.6	1420.1	1456.4	1465.0
37.5°	1306.1	1319.9	1364.8	1395.9	1408.0
40°	1247.3	1261.2	1300.9	1332.0	1342.4
42.5°	1183.4	1197.2	1237.0	1266.3	1275.0
45°	1116.0	1131.6	1167.9	1197.2	1204.2
47.5°	1048.7	1060.8	1098.8	1124.7	1129.9
50°	977.8	989.9	1024.5	1050.4	1055.6
52.5°	903.5	922.5	950.2	969.2	991.7
55°	832.7	841.4	870.7	907.0	896.6
57.5°	761.9	767.1	791.3	806.8	810.3
60°	684.1	691.0	710.1	718.7	727.3
62.5°	602.9	608.1	630.6	639.2	642.7
65°	525.2	530.4	542.5	551.1	552.8
67.5°	445.7	450.9	461.3	468.2	499.3
70°	373.2	376.6	381.8	395.6	387.0
72.5°	304.1	305.8	311.0	311.0	312.7
75°	238.4	240.1	241.9	240.1	243.6
77.5°	177.9	181.4	183.1	181.4	179.7
80°	127.8	131.3	129.6	126.1	126.1
82.5°	82.9	84.7	82.9	81.2	81.2
85°	43.2	46.6	44.9	43.2	43.2
87.5°	15.5	17.3	19.0	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)