

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: P297230

Luminaire Tested: **D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297230
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-55L92765-LD5-UNV-24-T1-W2A-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4898.0 lumens
Efficiency: N/A
Efficacy: 124.3 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

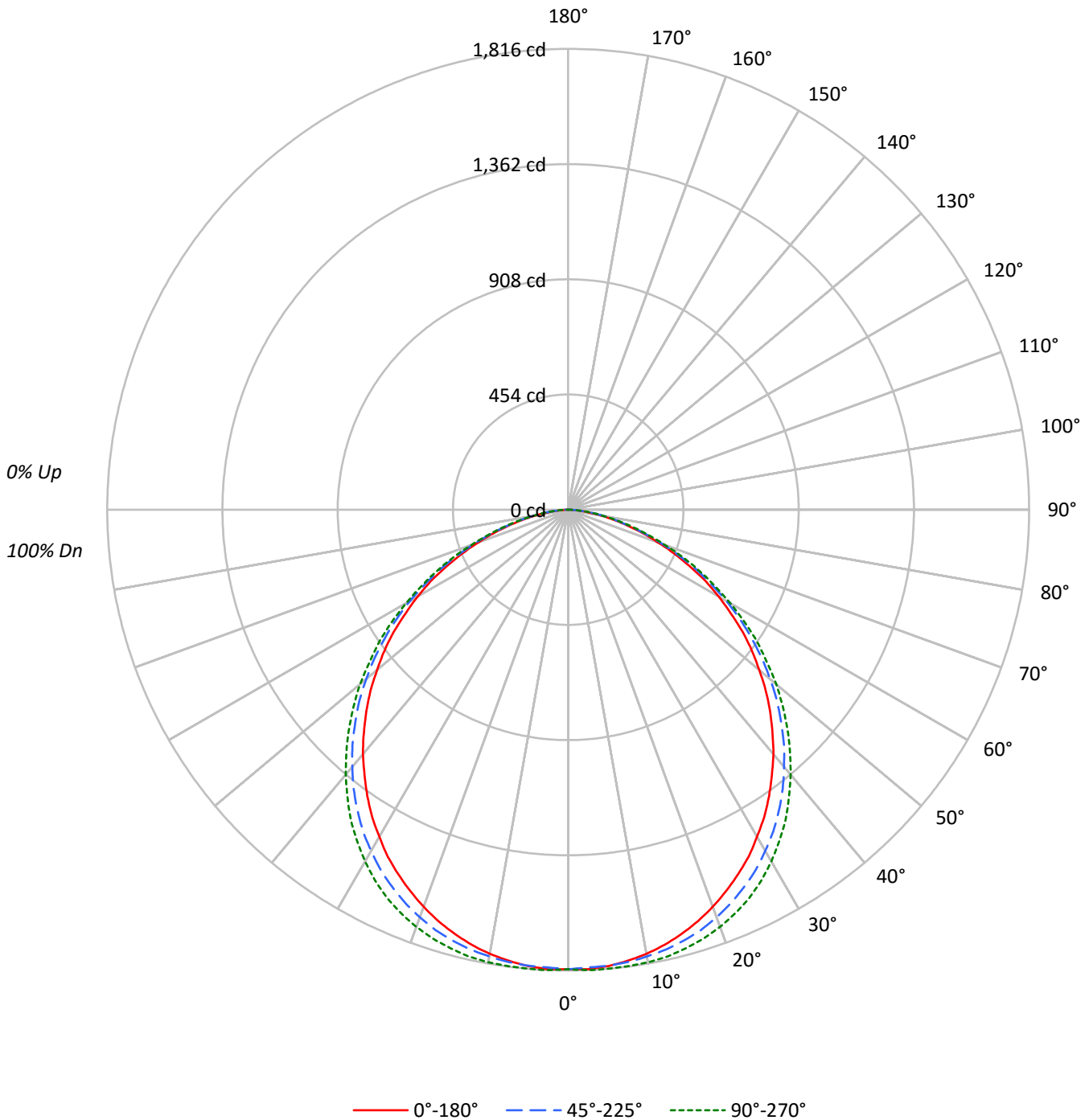
Input Watts (W): 39.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297230

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P297230

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5500K

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°	2436	2436	2436
5°	2438	2436	2453
10°	2428	2443	2474
15°	2410	2449	2493
20°	2384	2447	2505
25°	2352	2435	2506
30°	2312	2412	2486
35°	2265	2378	2452
40°	2210	2324	2395
45°	2140	2257	2324
50°	2057	2174	2240
55°	1967	2066	2132
60°	1841	1936	1983
65°	1681	1771	1815
70°	1477	1553	1594
75°	1250	1314	1359
80°	993	1088	1115
85°	678	812	786



TEST NUMBER: P297230

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.0	3.5
10°-20°	496.7	10.1
20°-30°	754.8	15.4
30°-40°	900.7	18.4
40°-50°	909.7	18.6
50°-60°	783.8	16.0
60°-70°	546.4	11.2
70°-80°	270.8	5.5
80°-90°	63.1	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°	1423.6	29.1
0°-40°	2324.3	47.5
0°-60°	4017.7	82.0
0°-90°	4898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1811	1811	1811	1811	1811	
5°	1805	1804	1804	1812	1816	171
15°	1730	1739	1758	1781	1790	488
25°	1584	1605	1640	1674	1688	730
35°	1379	1402	1448	1481	1493	862
45°	1125	1149	1186	1214	1221	867
55°	839	856	881	902	909	747
65°	528	539	556	562	570	524
75°	240	244	253	258	261	259
85°	44	53	53	49	51	56
90°	0	0	0	0	0	



TEST NUMBER: P297230

CATALOG NUMBER: D3X-WG-55L92765-LD5-UNV-24-T1-W2A-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1810.7	1810.7	1810.7	1810.7	1810.7
2.5°	1812.4	1808.9	1805.4	1812.4	1816.0
5°	1805.4	1803.7	1803.7	1812.4	1816.0
7.5°	1793.1	1793.1	1798.4	1810.7	1814.2
10°	1777.4	1780.9	1787.9	1805.4	1810.7
12.5°	1756.3	1763.3	1775.6	1796.7	1803.7
15°	1730.0	1738.8	1758.1	1780.9	1789.6
17.5°	1700.2	1712.4	1737.0	1763.3	1772.1
20°	1665.1	1680.9	1708.9	1738.8	1749.3
22.5°	1626.5	1645.8	1677.3	1708.9	1721.2
25°	1584.4	1605.4	1640.5	1673.8	1687.9
27.5°	1540.5	1561.5	1600.1	1633.5	1647.5
30°	1487.9	1512.4	1552.8	1587.9	1600.1
32.5°	1437.0	1461.5	1503.6	1535.2	1547.5
35°	1379.1	1401.9	1447.5	1480.8	1493.1
37.5°	1317.7	1344.0	1387.8	1417.7	1428.2
40°	1258.0	1280.8	1322.9	1352.8	1363.3
42.5°	1191.3	1215.9	1258.0	1284.3	1293.1
45°	1124.7	1149.2	1186.1	1214.1	1221.2
47.5°	1056.2	1079.0	1115.9	1138.7	1145.7
50°	982.5	1003.6	1038.7	1061.5	1070.3
52.5°	912.4	931.7	961.5	980.8	986.1
55°	838.7	856.2	880.8	901.8	908.9
57.5°	759.7	779.0	801.8	819.4	824.6
60°	684.3	700.1	719.4	735.2	736.9
62.5°	610.6	617.6	635.1	649.2	650.9
65°	528.1	538.6	556.2	561.5	570.2
67.5°	452.7	459.7	473.7	480.7	487.8
70°	375.5	380.7	394.8	403.5	405.3
72.5°	308.8	310.6	321.1	328.1	329.9
75°	240.4	243.9	252.7	257.9	261.4
77.5°	182.5	186.0	193.0	196.5	196.5
80°	128.1	133.3	140.4	142.1	143.9
82.5°	82.5	89.5	94.7	96.5	93.0
85°	43.9	52.6	52.6	49.1	50.9
87.5°	15.8	19.3	21.1	22.8	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)