

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: P297506

Luminaire Tested: **D3X-WO-55L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297506
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-55L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4748.0 lumens
Efficiency: N/A
Efficacy: 123.6 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

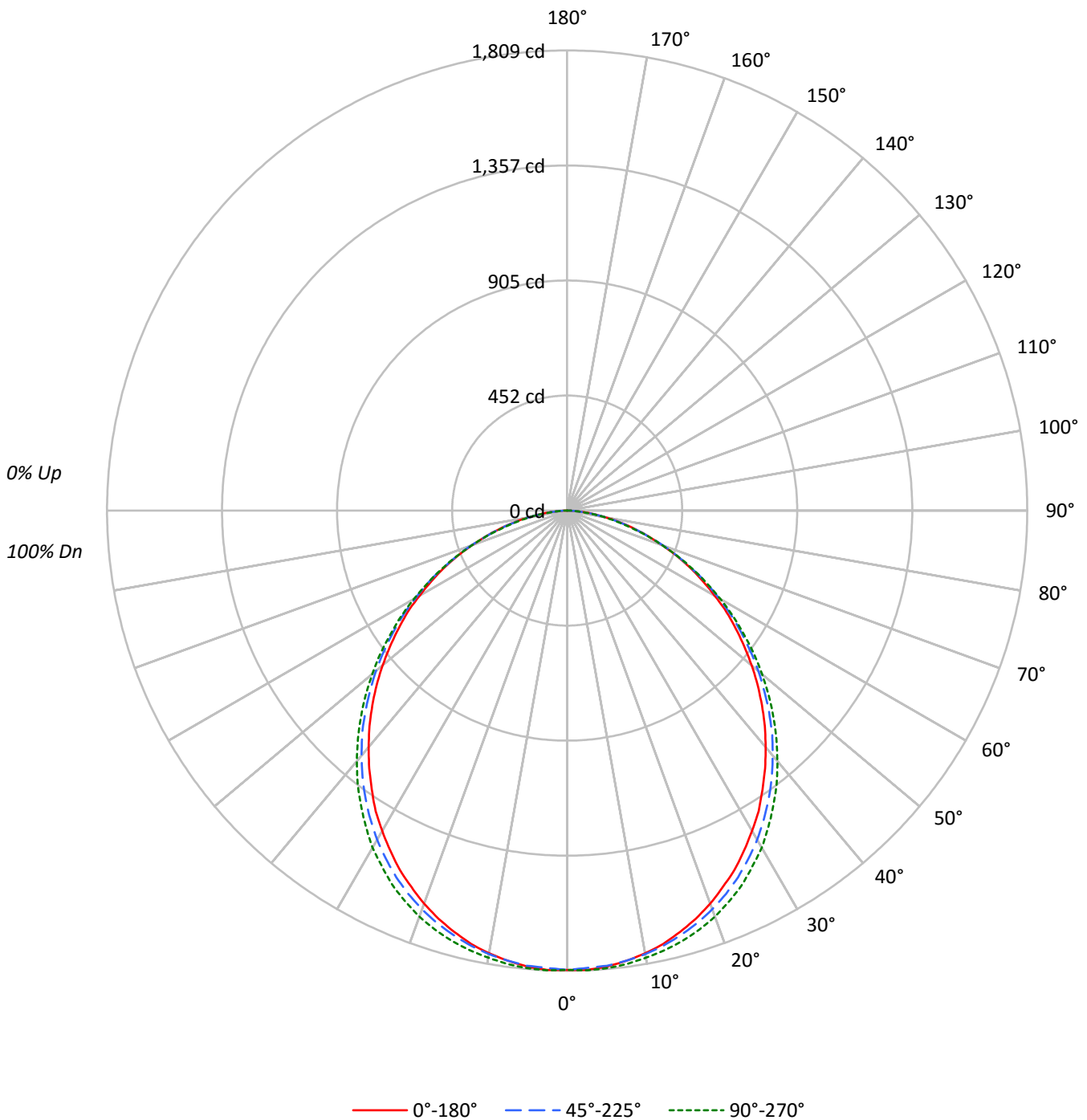
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2430	2430	2430
5°	2430	2426	2439
10°	2415	2419	2439
15°	2388	2406	2440
20°	2354	2389	2432
25°	2313	2360	2412
30°	2259	2321	2378
35°	2199	2270	2322
40°	2132	2208	2259
45°	2060	2136	2182
50°	1982	2056	2092
55°	1898	1958	1989
60°	1803	1851	1872
65°	1701	1726	1736
70°	1561	1579	1561
75°	1405	1397	1355
80°	1189	1177	1140
85°	889	865	766



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	3.6
10°-20°	488.4	10.3
20°-30°	732.3	15.4
30°-40°	862.4	18.2
40°-50°	862.5	18.2
50°-60°	744.2	15.7
60°-70°	535.5	11.3
70°-80°	284.0	6.0
80°-90°	67.8	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°	1391.6	29.3
0°-40°	2254.0	47.5
0°-60°	3860.7	81.3
0°-90°	4748.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4748.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1806	1806	1806	1806	1806	
5°	1799	1798	1796	1803	1806	171
15°	1715	1719	1727	1745	1751	484
25°	1558	1567	1590	1617	1625	717
35°	1339	1355	1382	1406	1414	838
45°	1083	1097	1123	1142	1147	835
55°	809	817	835	849	848	724
65°	534	536	542	545	545	528
75°	270	267	269	262	261	288
85°	58	58	56	51	50	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1805.8	1805.8	1805.8	1805.8	1805.8
2.5°	1807.4	1804.2	1799.4	1805.8	1809.0
5°	1799.4	1797.8	1796.2	1802.6	1805.8
7.5°	1785.0	1786.6	1785.0	1794.6	1797.8
10°	1767.4	1769.0	1770.6	1781.8	1785.0
12.5°	1745.0	1746.6	1751.4	1765.8	1770.6
15°	1714.6	1719.4	1727.4	1745.0	1751.4
17.5°	1682.6	1689.0	1700.2	1721.0	1727.4
20°	1644.2	1652.2	1668.2	1690.6	1698.6
22.5°	1601.0	1609.0	1631.4	1655.4	1663.4
25°	1557.8	1567.4	1589.8	1617.0	1625.0
27.5°	1506.7	1519.5	1543.4	1570.6	1577.0
30°	1453.9	1465.1	1493.9	1519.5	1530.7
32.5°	1401.1	1412.3	1439.5	1465.1	1473.1
35°	1338.7	1354.7	1381.9	1405.9	1413.9
37.5°	1277.9	1292.3	1321.1	1345.1	1353.1
40°	1214.0	1226.8	1257.1	1279.5	1285.9
42.5°	1150.0	1162.8	1193.2	1210.8	1217.2
45°	1082.8	1097.2	1122.8	1142.0	1146.8
47.5°	1015.6	1026.8	1050.8	1068.4	1074.8
50°	946.9	958.1	982.0	996.4	999.6
52.5°	878.1	886.1	908.5	921.3	926.1
55°	809.3	817.3	834.9	849.3	847.7
57.5°	743.7	746.9	764.5	774.1	774.1
60°	670.2	673.4	687.8	694.2	695.8
62.5°	601.4	606.2	617.4	619.0	619.0
65°	534.2	535.8	542.2	545.4	545.4
67.5°	467.0	465.4	471.8	471.8	470.2
70°	396.7	399.9	401.5	398.3	396.7
72.5°	332.7	331.1	331.1	329.5	329.5
75°	270.3	267.1	268.7	262.3	260.7
77.5°	212.7	207.9	206.3	203.1	199.9
80°	153.5	153.5	151.9	148.7	147.1
82.5°	102.4	102.4	100.8	97.6	94.4
85°	57.6	57.6	56.0	51.2	49.6
87.5°	19.2	19.2	19.2	19.2	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)