

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: P296952

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296952
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4944.0 lumens
Efficiency: N/A
Efficacy: 123.3 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

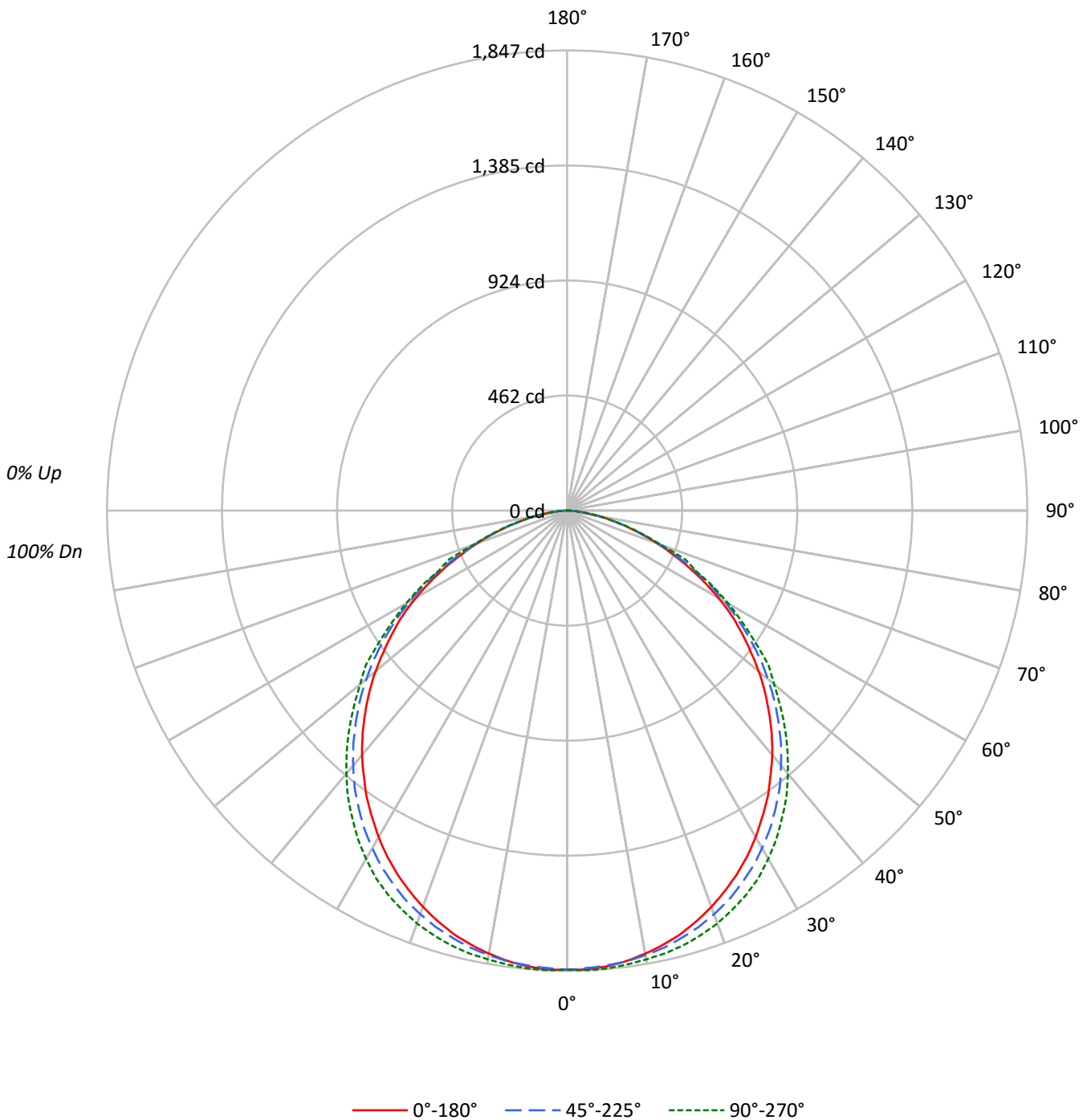
Input Watts (W): 40.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2480	2480	2480
5°	2480	2475	2492
10°	2467	2475	2499
15°	2451	2473	2515
20°	2423	2469	2525
25°	2391	2454	2526
30°	2351	2431	2508
35°	2305	2395	2471
40°	2250	2346	2421
45°	2180	2282	2353
50°	2102	2202	2269
55°	2006	2097	2160
60°	1890	1962	2010
65°	1717	1773	1807
70°	1507	1542	1563
75°	1273	1291	1300
80°	1017	1031	1003
85°	684	712	684



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.7	3.5
10°-20°	502.3	10.2
20°-30°	762.1	15.4
30°-40°	909.9	18.4
40°-50°	921.2	18.6
50°-60°	796.2	16.1
60°-70°	551.9	11.2
70°-80°	267.0	5.4
80°-90°	58.7	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°	1439.1	29.1
0°-40°	2349.0	47.5
0°-60°	4066.4	82.2
0°-90°	4944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1843	1843	1843	1843	1843	
5°	1836	1834	1832	1841	1845	174
15°	1760	1763	1776	1797	1806	496
25°	1611	1621	1653	1687	1701	742
35°	1403	1416	1458	1495	1504	877
45°	1146	1162	1199	1229	1236	884
55°	855	864	894	931	921	764
65°	539	545	557	566	568	534
75°	245	247	248	247	250	263
85°	44	48	46	44	44	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1843.1	1843.1	1843.1	1843.1	1843.1
2.5°	1843.1	1841.3	1837.8	1843.1	1846.6
5°	1836.0	1834.2	1832.4	1841.3	1844.9
7.5°	1823.6	1823.6	1825.3	1834.2	1837.8
10°	1805.8	1807.6	1811.2	1825.3	1828.9
12.5°	1784.5	1788.1	1797.0	1812.9	1820.0
15°	1759.7	1763.3	1775.7	1797.0	1805.8
17.5°	1727.8	1734.9	1752.6	1777.5	1786.3
20°	1692.3	1701.2	1724.2	1752.6	1763.3
22.5°	1653.3	1662.1	1692.3	1722.5	1733.1
25°	1610.7	1621.3	1653.3	1687.0	1701.2
27.5°	1564.6	1577.0	1612.5	1648.0	1662.1
30°	1513.1	1527.3	1564.6	1601.8	1614.3
32.5°	1458.2	1472.3	1514.9	1550.4	1562.8
35°	1403.2	1415.6	1458.2	1495.4	1504.3
37.5°	1341.1	1355.3	1401.4	1433.3	1445.7
40°	1280.8	1295.0	1335.8	1367.7	1378.3
42.5°	1215.1	1229.3	1270.1	1300.3	1309.1
45°	1145.9	1161.9	1199.2	1229.3	1236.4
47.5°	1076.8	1089.2	1128.2	1154.8	1160.1
50°	1004.0	1016.4	1051.9	1078.5	1083.9
52.5°	927.8	947.3	975.6	995.2	1018.2
55°	855.0	863.9	894.0	931.3	920.7
57.5°	782.3	787.6	812.4	828.4	832.0
60°	702.5	709.6	729.1	737.9	746.8
62.5°	619.1	624.4	647.5	656.3	659.9
65°	539.3	544.6	557.0	565.9	567.6
67.5°	457.7	463.0	473.6	480.7	512.7
70°	383.2	386.7	392.0	406.2	397.4
72.5°	312.2	314.0	319.3	319.3	321.1
75°	244.8	246.6	248.3	246.6	250.1
77.5°	182.7	186.3	188.0	186.3	184.5
80°	131.3	134.8	133.0	129.5	129.5
82.5°	85.1	86.9	85.1	83.4	83.4
85°	44.3	47.9	46.1	44.3	44.3
87.5°	16.0	17.7	19.5	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)