

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: P296948

Luminaire Tested: **D3X-WD-55L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296948
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-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4720.0 lumens
Efficiency: N/A
Efficacy: 120.7 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

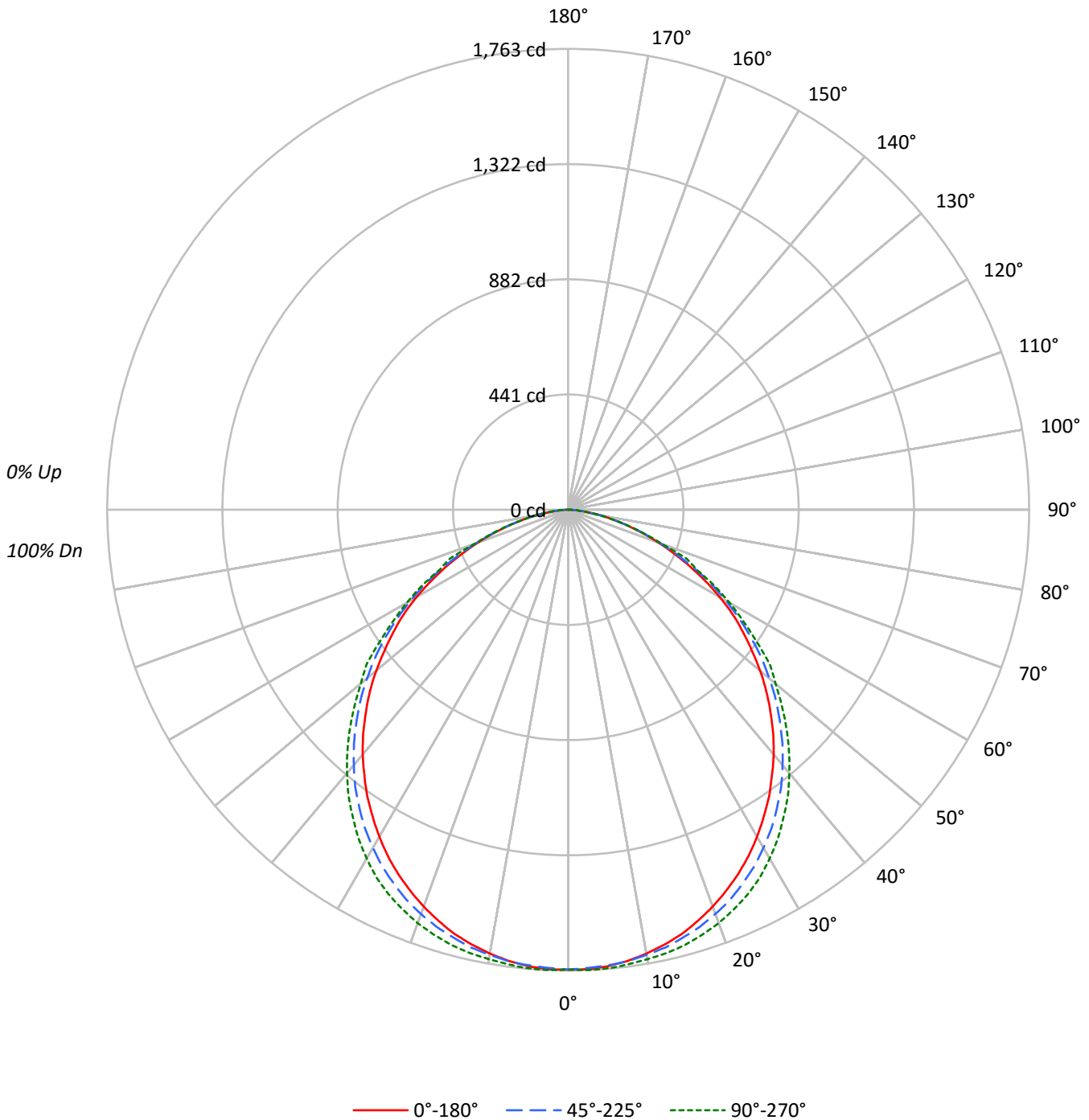
Input Watts (W): 39.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2368	2368	2368
5°	2367	2363	2379
10°	2355	2362	2385
15°	2340	2361	2401
20°	2313	2357	2410
25°	2283	2343	2411
30°	2244	2321	2394
35°	2200	2287	2359
40°	2148	2240	2311
45°	2082	2178	2246
50°	2006	2102	2166
55°	1915	2002	2062
60°	1805	1873	1919
65°	1639	1693	1725
70°	1439	1472	1493
75°	1215	1233	1241
80°	971	984	958
85°	653	679	653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	3.5
10°-20°	479.5	10.2
20°-30°	727.6	15.4
30°-40°	868.7	18.4
40°-50°	879.4	18.6
50°-60°	760.2	16.1
60°-70°	526.9	11.2
70°-80°	254.9	5.4
80°-90°	56.0	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°	1373.9	29.1
0°-40°	2242.6	47.5
0°-60°	3882.2	82.3
0°-90°	4720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4720.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1760	1760	1760	1760	1760	
5°	1753	1751	1749	1758	1761	166
15°	1680	1683	1695	1716	1724	473
25°	1538	1548	1578	1611	1624	708
35°	1340	1351	1392	1428	1436	837
45°	1094	1109	1145	1174	1180	844
55°	816	825	854	889	879	730
65°	515	520	532	540	542	509
75°	234	235	237	235	239	251
85°	42	46	44	42	42	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1759.6	1759.6	1759.6	1759.6	1759.6
2.5°	1759.6	1757.9	1754.5	1759.6	1763.0
5°	1752.8	1751.1	1749.4	1757.9	1761.3
7.5°	1741.0	1741.0	1742.6	1751.1	1754.5
10°	1724.0	1725.7	1729.1	1742.6	1746.0
12.5°	1703.7	1707.1	1715.6	1730.8	1737.6
15°	1680.0	1683.4	1695.2	1715.6	1724.0
17.5°	1649.5	1656.3	1673.2	1696.9	1705.4
20°	1615.6	1624.1	1646.1	1673.2	1683.4
22.5°	1578.4	1586.8	1615.6	1644.4	1654.6
25°	1537.7	1547.9	1578.4	1610.6	1624.1
27.5°	1493.7	1505.6	1539.4	1573.3	1586.8
30°	1444.6	1458.1	1493.7	1529.3	1541.1
32.5°	1392.1	1405.6	1446.3	1480.1	1492.0
35°	1339.6	1351.4	1392.1	1427.6	1436.1
37.5°	1280.3	1293.9	1337.9	1368.4	1380.2
40°	1222.7	1236.3	1275.2	1305.7	1315.9
42.5°	1160.1	1173.6	1212.6	1241.4	1249.8
45°	1094.0	1109.3	1144.8	1173.6	1180.4
47.5°	1028.0	1039.8	1077.1	1102.5	1107.6
50°	958.5	970.4	1004.3	1029.7	1034.7
52.5°	885.7	904.3	931.4	950.1	972.1
55°	816.3	824.8	853.5	889.1	878.9
57.5°	746.8	751.9	775.6	790.9	794.3
60°	670.6	677.4	696.0	704.5	713.0
62.5°	591.0	596.1	618.1	626.6	630.0
65°	514.8	519.9	531.8	540.2	541.9
67.5°	436.9	442.0	452.2	458.9	489.4
70°	365.8	369.2	374.3	387.8	379.4
72.5°	298.1	299.8	304.8	304.8	306.5
75°	233.7	235.4	237.1	235.4	238.8
77.5°	174.4	177.8	179.5	177.8	176.1
80°	125.3	128.7	127.0	123.6	123.6
82.5°	81.3	83.0	81.3	79.6	79.6
85°	42.3	45.7	44.0	42.3	42.3
87.5°	15.2	16.9	18.6	20.3	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)