

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: P296879

Luminaire Tested: **D3X-WD-60L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296879
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-60L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4399.0 lumens
Efficiency: N/A
Efficacy: 99.3 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

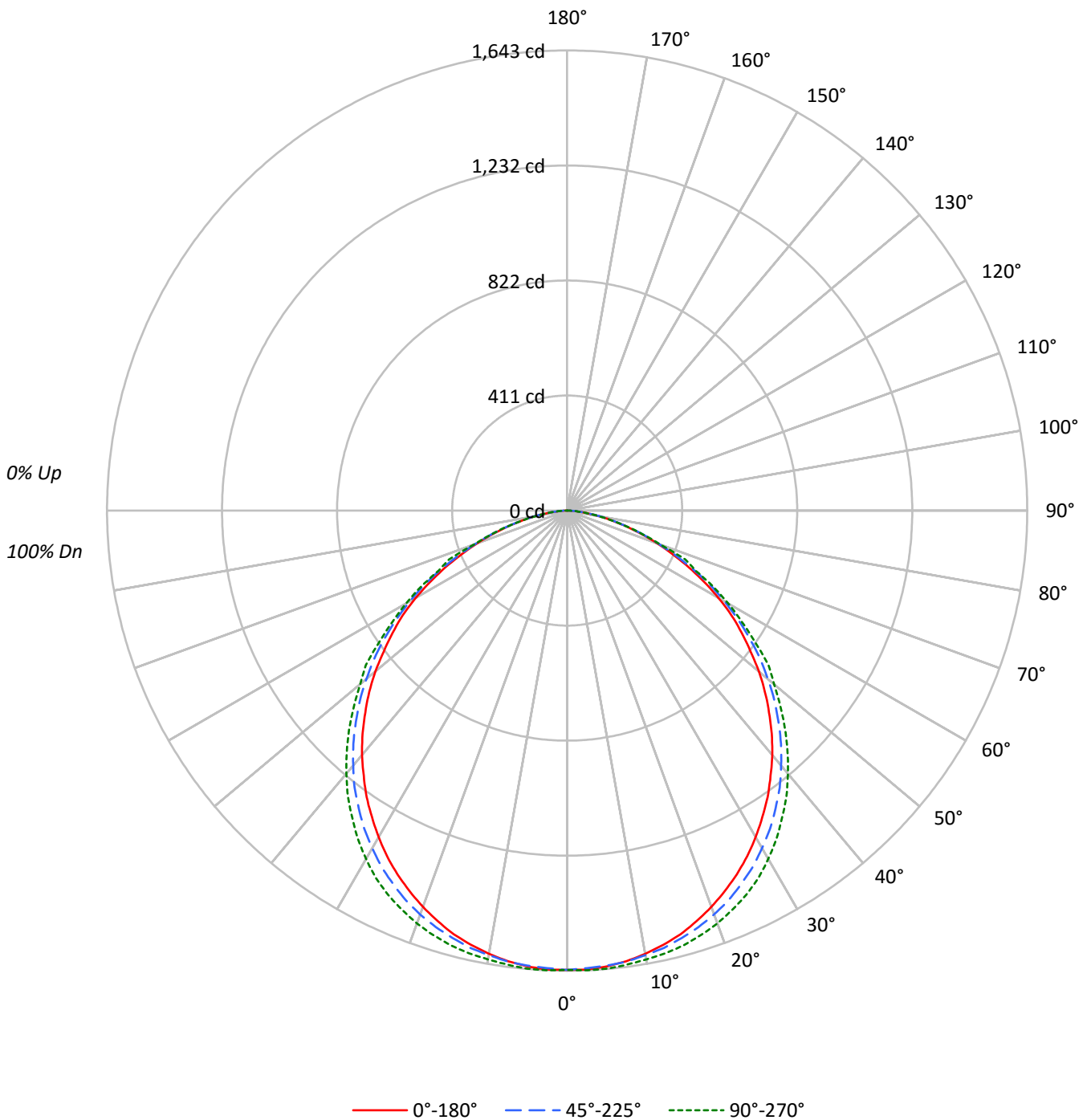
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2206	2206	2206
5°	2206	2202	2217
10°	2195	2202	2223
15°	2181	2201	2238
20°	2156	2197	2246
25°	2128	2184	2247
30°	2092	2163	2231
35°	2051	2131	2198
40°	2002	2087	2154
45°	1940	2030	2093
50°	1870	1959	2019
55°	1785	1866	1922
60°	1682	1746	1788
65°	1528	1578	1608
70°	1341	1372	1391
75°	1132	1149	1157
80°	905	917	893
85°	610	633	610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	3.5
10°-20°	446.9	10.2
20°-30°	678.1	15.4
30°-40°	809.6	18.4
40°-50°	819.6	18.6
50°-60°	708.5	16.1
60°-70°	491.0	11.2
70°-80°	237.6	5.4
80°-90°	52.2	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°	1280.5	29.1
0°-40°	2090.1	47.5
0°-60°	3618.1	82.2
0°-90°	4399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1640	1640	1640	1640	1640	
5°	1634	1632	1630	1638	1642	155
15°	1566	1569	1580	1599	1607	441
25°	1433	1443	1471	1501	1514	660
35°	1248	1260	1297	1331	1338	780
45°	1020	1034	1067	1094	1100	786
55°	761	769	796	829	819	680
65°	480	485	496	504	505	475
75°	218	219	221	219	222	234
85°	40	43	41	40	40	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1639.9	1639.9	1639.9	1639.9	1639.9
2.5°	1639.9	1638.3	1635.2	1639.9	1643.1
5°	1633.6	1632.0	1630.4	1638.3	1641.5
7.5°	1622.6	1622.6	1624.1	1632.0	1635.2
10°	1606.8	1608.3	1611.5	1624.1	1627.3
12.5°	1587.8	1591.0	1598.9	1613.1	1619.4
15°	1565.7	1568.9	1579.9	1598.9	1606.8
17.5°	1537.3	1543.6	1559.4	1581.5	1589.4
20°	1505.8	1513.6	1534.2	1559.4	1568.9
22.5°	1471.0	1478.9	1505.8	1532.6	1542.1
25°	1433.2	1442.6	1471.0	1501.0	1513.6
27.5°	1392.1	1403.2	1434.7	1466.3	1478.9
30°	1346.3	1359.0	1392.1	1425.3	1436.3
32.5°	1297.4	1310.0	1347.9	1379.5	1390.5
35°	1248.5	1259.5	1297.4	1330.6	1338.4
37.5°	1193.2	1205.9	1246.9	1275.3	1286.4
40°	1139.6	1152.2	1188.5	1216.9	1226.4
42.5°	1081.2	1093.8	1130.1	1156.9	1164.8
45°	1019.6	1033.8	1067.0	1093.8	1100.1
47.5°	958.1	969.1	1003.8	1027.5	1032.2
50°	893.4	904.4	936.0	959.6	964.4
52.5°	825.5	842.8	868.1	885.5	906.0
55°	760.8	768.7	795.5	828.6	819.2
57.5°	696.1	700.8	722.9	737.1	740.3
60°	625.0	631.3	648.7	656.6	664.5
62.5°	550.8	555.6	576.1	584.0	587.1
65°	479.8	484.6	495.6	503.5	505.1
67.5°	407.2	412.0	421.4	427.7	456.1
70°	340.9	344.1	348.8	361.4	353.6
72.5°	277.8	279.4	284.1	284.1	285.7
75°	217.8	219.4	221.0	219.4	222.5
77.5°	162.6	165.7	167.3	165.7	164.1
80°	116.8	120.0	118.4	115.2	115.2
82.5°	75.8	77.3	75.8	74.2	74.2
85°	39.5	42.6	41.0	39.5	39.5
87.5°	14.2	15.8	17.4	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)