

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: P297488

Luminaire Tested: **D3X-WO-45L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297488
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-45L92765-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: 3890.0 lumens
Efficiency: N/A
Efficacy: 123.1 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

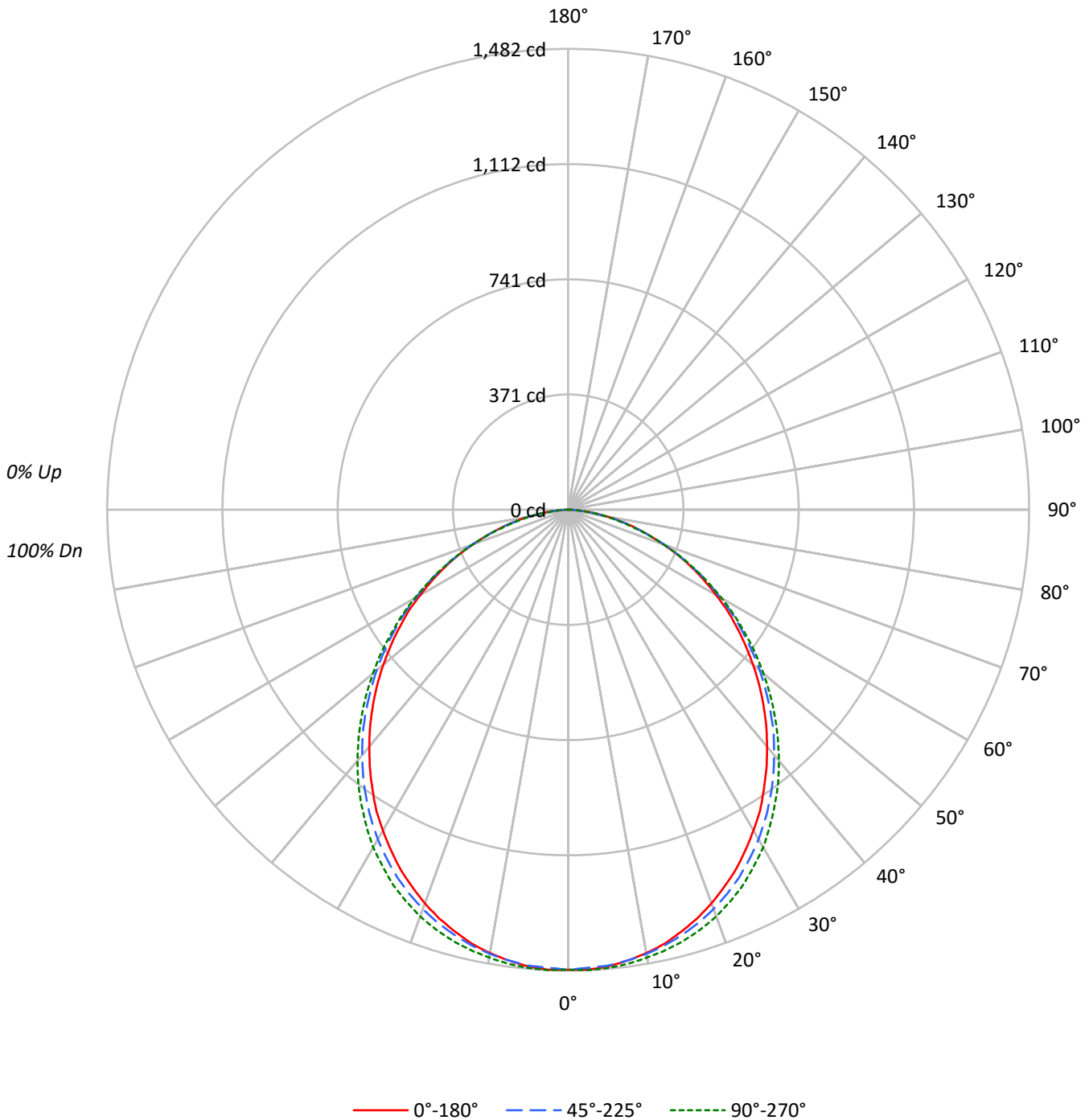
Input Watts (W): 31.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1991	1991	1991
5°	1991	1988	1998
10°	1978	1982	1998
15°	1957	1971	1999
20°	1929	1957	1993
25°	1895	1934	1977
30°	1851	1901	1948
35°	1802	1860	1903
40°	1747	1809	1851
45°	1688	1750	1788
50°	1624	1684	1714
55°	1555	1605	1629
60°	1478	1516	1534
65°	1394	1414	1422
70°	1279	1294	1279
75°	1151	1144	1110
80°	975	965	934
85°	729	709	627



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.1	3.6
10°-20°	400.1	10.3
20°-30°	599.9	15.4
30°-40°	706.5	18.2
40°-50°	706.7	18.2
50°-60°	609.7	15.7
60°-70°	438.7	11.3
70°-80°	232.7	6.0
80°-90°	55.5	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°	1140.2	29.3
0°-40°	1846.7	47.5
0°-60°	3163.1	81.3
0°-90°	3890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3890.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1479	1479	1479	1479	1479	
5°	1474	1473	1472	1477	1479	140
15°	1405	1409	1415	1430	1435	396
25°	1276	1284	1302	1325	1331	587
35°	1097	1110	1132	1152	1158	686
45°	887	899	920	936	940	684
55°	663	670	684	696	694	593
65°	438	439	444	447	447	433
75°	222	219	220	215	214	236
85°	47	47	46	42	41	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.4	1479.4	1479.4	1479.4	1479.4
2.5°	1480.7	1478.1	1474.2	1479.4	1482.1
5°	1474.2	1472.9	1471.6	1476.8	1479.4
7.5°	1462.4	1463.7	1462.4	1470.3	1472.9
10°	1448.0	1449.3	1450.6	1459.8	1462.4
12.5°	1429.6	1431.0	1434.9	1446.7	1450.6
15°	1404.7	1408.7	1415.2	1429.6	1434.9
17.5°	1378.5	1383.8	1393.0	1410.0	1415.2
20°	1347.1	1353.6	1366.7	1385.1	1391.6
22.5°	1311.7	1318.3	1336.6	1356.3	1362.8
25°	1276.3	1284.2	1302.5	1324.8	1331.4
27.5°	1234.4	1244.9	1264.5	1286.8	1292.1
30°	1191.2	1200.3	1223.9	1244.9	1254.1
32.5°	1147.9	1157.1	1179.4	1200.3	1206.9
35°	1096.8	1109.9	1132.2	1151.8	1158.4
37.5°	1047.0	1058.8	1082.4	1102.0	1108.6
40°	994.6	1005.1	1030.0	1048.3	1053.6
42.5°	942.2	952.7	977.6	992.0	997.2
45°	887.1	898.9	919.9	935.6	939.6
47.5°	832.1	841.3	860.9	875.3	880.6
50°	775.8	784.9	804.6	816.4	819.0
52.5°	719.4	726.0	744.3	754.8	758.7
55°	663.1	669.6	684.0	695.8	694.5
57.5°	609.3	612.0	626.4	634.2	634.2
60°	549.1	551.7	563.5	568.7	570.0
62.5°	492.7	496.6	505.8	507.1	507.1
65°	437.7	439.0	444.2	446.8	446.8
67.5°	382.6	381.3	386.6	386.6	385.3
70°	325.0	327.6	328.9	326.3	325.0
72.5°	272.6	271.3	271.3	269.9	269.9
75°	221.5	218.8	220.1	214.9	213.6
77.5°	174.3	170.4	169.0	166.4	163.8
80°	125.8	125.8	124.5	121.9	120.6
82.5°	83.9	83.9	82.6	79.9	77.3
85°	47.2	47.2	45.9	41.9	40.6
87.5°	15.7	15.7	15.7	15.7	15.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)