

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: P298469

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-44L92765-LD5-UNV-22-T1-W2A-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4053.0 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

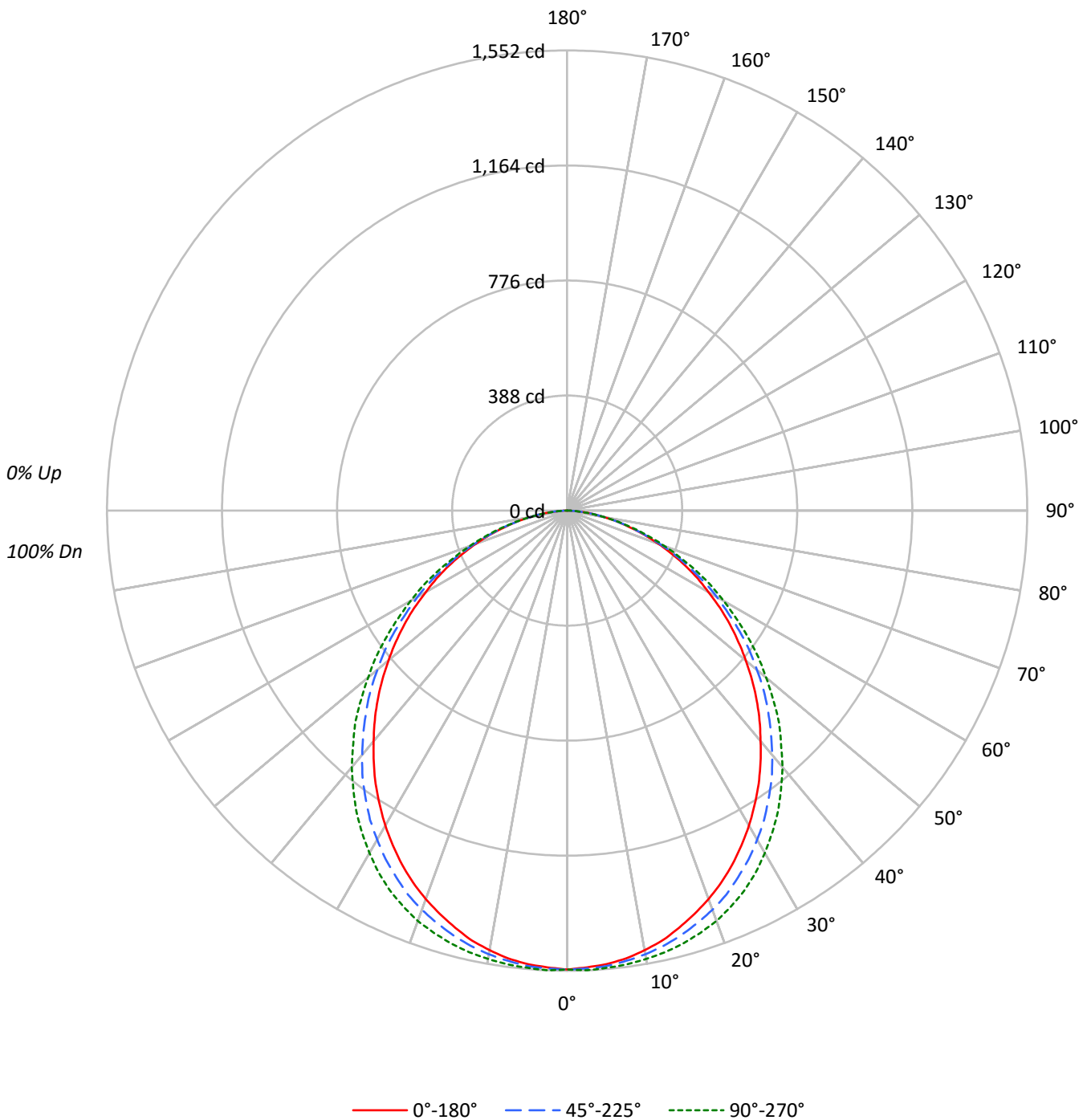
Input Watts (W): 36.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4165	4165	4165
5°	4148	4165	4181
10°	4113	4152	4196
15°	4059	4132	4211
20°	3993	4103	4218
25°	3913	4051	4200
30°	3812	3982	4145
35°	3699	3892	4071
40°	3566	3778	3970
45°	3441	3648	3847
50°	3295	3498	3666
55°	3143	3332	3493
60°	2965	3139	3280
65°	2801	2904	3046
70°	2572	2651	2747
75°	2287	2350	2413
80°	1970	1939	1939
85°	1494	1371	1247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	3.6
10°-20°	418.5	10.3
20°-30°	628.4	15.5
30°-40°	739.5	18.2
40°-50°	737.6	18.2
50°-60°	633.0	15.6
60°-70°	453.3	11.2
70°-80°	240.1	5.9
80°-90°	56.1	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°	1193.3	29.4
0°-40°	1932.8	47.7
0°-60°	3303.4	81.5
0°-90°	4053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1536	1536	1542	1546	1548	146
15°	1457	1463	1483	1503	1512	411
25°	1318	1330	1364	1398	1415	606
35°	1126	1140	1185	1225	1239	703
45°	904	918	958	993	1011	697
55°	670	680	710	735	745	599
65°	440	442	456	474	478	434
75°	220	220	226	230	232	236
85°	48	46	44	40	40	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1547.8	1547.8	1547.8	1547.8	1547.8
2.5°	1541.8	1541.8	1545.8	1549.8	1551.8
5°	1535.7	1535.7	1541.8	1545.8	1547.8
7.5°	1523.6	1523.6	1531.7	1539.7	1543.8
10°	1505.4	1509.5	1519.6	1531.7	1535.7
12.5°	1485.2	1489.3	1503.4	1519.6	1525.6
15°	1457.0	1463.0	1483.2	1503.4	1511.5
17.5°	1426.7	1434.8	1459.0	1483.2	1493.3
20°	1394.4	1402.5	1432.8	1461.0	1473.1
22.5°	1358.1	1368.2	1402.5	1432.8	1444.9
25°	1317.8	1329.9	1364.2	1398.5	1414.6
27.5°	1273.4	1287.5	1325.8	1362.1	1376.3
30°	1226.9	1243.1	1281.4	1319.8	1333.9
32.5°	1176.5	1190.6	1237.0	1273.4	1287.5
35°	1126.0	1140.2	1184.6	1224.9	1239.1
37.5°	1071.6	1089.7	1134.1	1170.4	1184.6
40°	1015.1	1033.2	1075.6	1118.0	1130.1
42.5°	960.6	976.7	1017.1	1055.4	1067.5
45°	904.1	918.2	958.5	992.9	1011.0
47.5°	845.5	859.7	900.0	932.3	942.4
50°	787.0	801.1	835.5	863.7	875.8
52.5°	728.5	742.6	774.9	801.1	813.3
55°	670.0	680.1	710.3	734.6	744.6
57.5°	611.5	619.5	643.7	670.0	676.0
60°	550.9	561.0	583.2	601.4	609.4
62.5°	496.4	500.5	520.6	536.8	546.9
65°	439.9	441.9	456.1	474.2	478.3
67.5°	381.4	383.4	397.5	407.6	411.7
70°	326.9	326.9	337.0	345.1	349.1
72.5°	274.4	272.4	278.5	286.6	290.6
75°	220.0	220.0	226.0	230.1	232.1
77.5°	173.5	169.5	173.5	177.6	177.6
80°	127.1	125.1	125.1	127.1	125.1
82.5°	86.8	84.8	86.8	82.7	80.7
85°	48.4	46.4	44.4	40.4	40.4
87.5°	16.1	14.1	14.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)