

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: P298470

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298470
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-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4116.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

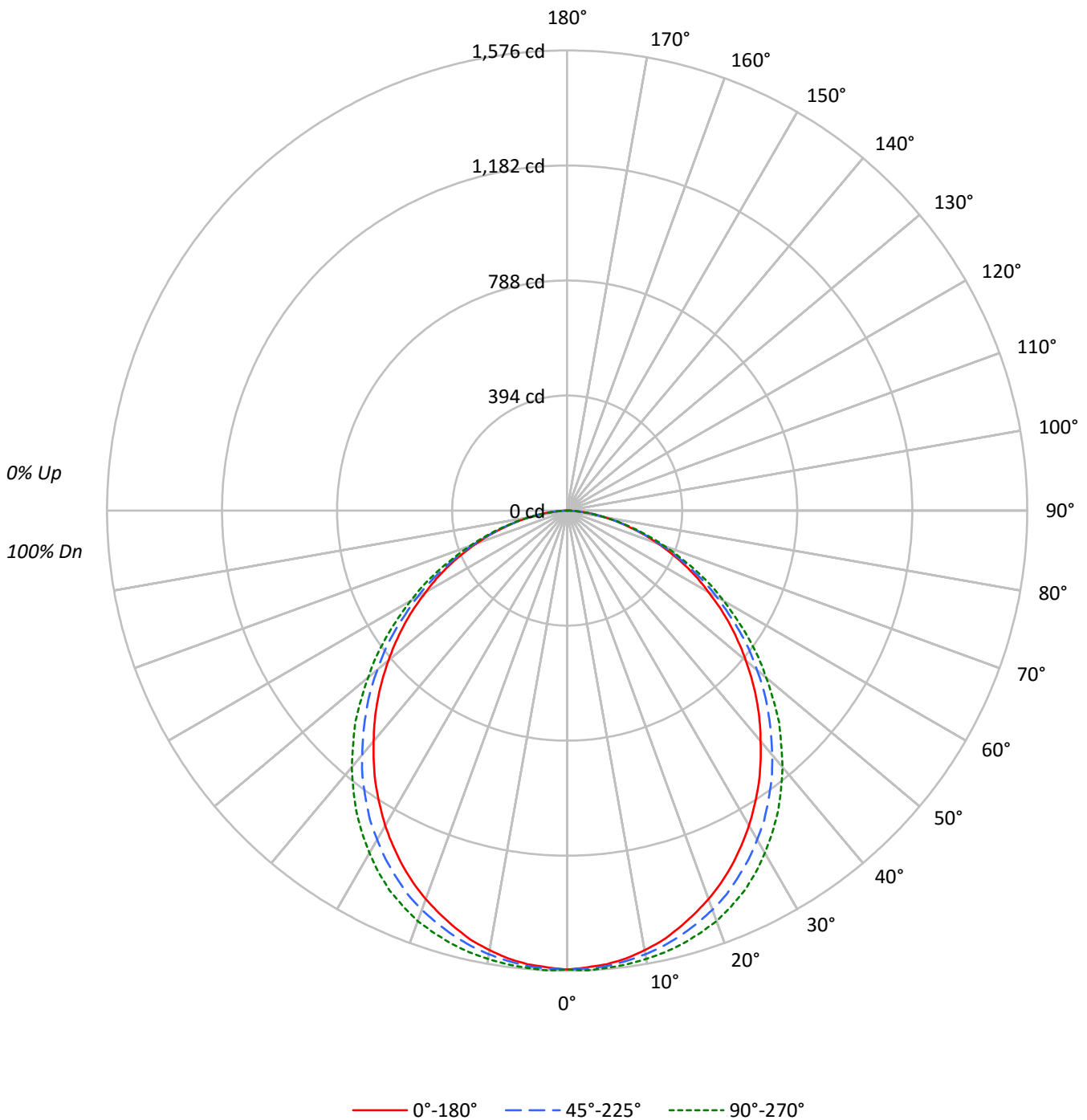
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	4230	4230	4230
5°	4213	4229	4246
10°	4177	4217	4262
15°	4122	4196	4276
20°	4055	4167	4284
25°	3973	4113	4266
30°	3872	4043	4209
35°	3756	3952	4134
40°	3621	3837	4031
45°	3494	3704	3907
50°	3346	3552	3723
55°	3192	3385	3548
60°	3011	3188	3331
65°	2845	2949	3093
70°	2612	2692	2789
75°	2323	2386	2451
80°	2001	1970	1970
85°	1519	1392	1266



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.7	3.6
10°-20°	425.0	10.3
20°-30°	638.1	15.5
30°-40°	751.0	18.2
40°-50°	749.1	18.2
50°-60°	642.8	15.6
60°-70°	460.4	11.2
70°-80°	243.8	5.9
80°-90°	57.0	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°	1211.8	29.4
0°-40°	1962.8	47.7
0°-60°	3354.8	81.5
0°-90°	4116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1572	1572	1572	1572	1572	
5°	1560	1560	1566	1570	1572	148
15°	1480	1486	1506	1527	1535	417
25°	1338	1350	1385	1420	1437	616
35°	1144	1158	1203	1244	1258	714
45°	918	932	973	1008	1027	708
55°	680	691	721	746	756	608
65°	447	449	463	482	486	441
75°	223	223	230	234	236	240
85°	49	47	45	41	41	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1571.9	1571.9	1571.9	1571.9	1571.9
2.5°	1565.7	1565.7	1569.8	1573.9	1576.0
5°	1559.6	1559.6	1565.7	1569.8	1571.9
7.5°	1547.3	1547.3	1555.5	1563.7	1567.8
10°	1528.8	1532.9	1543.2	1555.5	1559.6
12.5°	1508.3	1512.4	1526.8	1543.2	1549.3
15°	1479.6	1485.8	1506.3	1526.8	1535.0
17.5°	1448.9	1457.1	1481.7	1506.3	1516.5
20°	1416.1	1424.3	1455.0	1483.7	1496.0
22.5°	1379.2	1389.5	1424.3	1455.0	1467.3
25°	1338.2	1350.5	1385.4	1420.2	1436.6
27.5°	1293.1	1307.5	1346.4	1383.3	1397.7
30°	1246.0	1262.4	1301.3	1340.3	1354.6
32.5°	1194.8	1209.1	1256.3	1293.1	1307.5
35°	1143.5	1157.9	1203.0	1244.0	1258.3
37.5°	1088.2	1106.7	1151.7	1188.6	1203.0
40°	1030.8	1049.3	1092.3	1135.3	1147.6
42.5°	975.5	991.9	1032.9	1071.8	1084.1
45°	918.1	932.5	973.4	1008.3	1026.7
47.5°	858.7	873.0	914.0	946.8	957.1
50°	799.3	813.6	848.4	877.1	889.4
52.5°	739.8	754.2	787.0	813.6	825.9
55°	680.4	690.6	721.4	746.0	756.2
57.5°	621.0	629.2	653.7	680.4	686.5
60°	559.5	569.7	592.3	610.7	618.9
62.5°	504.1	508.2	528.7	545.1	555.4
65°	446.8	448.8	463.2	481.6	485.7
67.5°	387.3	389.4	403.7	414.0	418.1
70°	332.0	332.0	342.2	350.4	354.5
72.5°	278.7	276.7	282.8	291.0	295.1
75°	223.4	223.4	229.5	233.6	235.7
77.5°	176.2	172.1	176.2	180.3	180.3
80°	129.1	127.1	127.1	129.1	127.1
82.5°	88.1	86.1	88.1	84.0	82.0
85°	49.2	47.1	45.1	41.0	41.0
87.5°	16.4	14.3	14.3	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)