

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: P298136

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3851.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

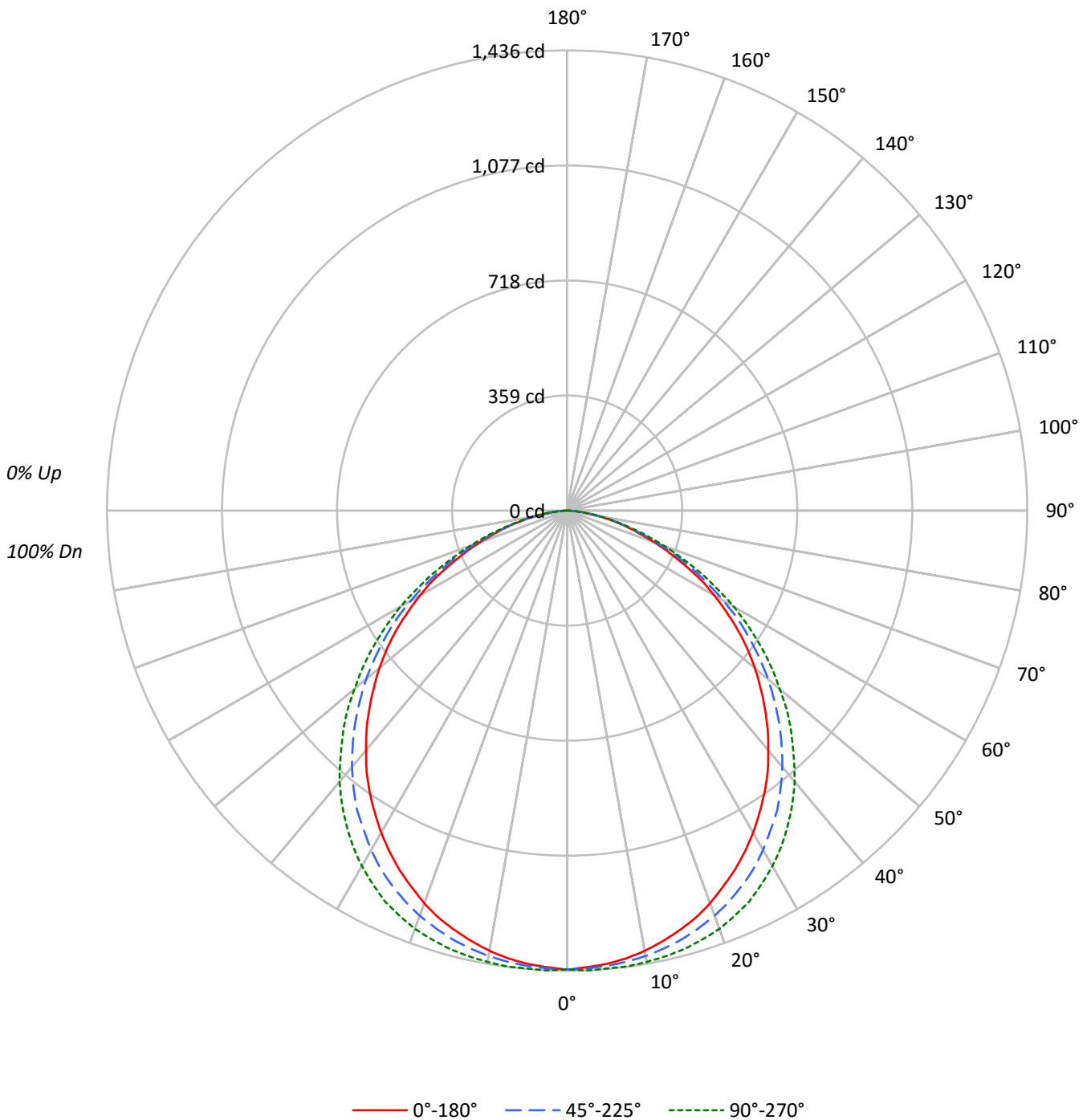
Input Watts (W): 37.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	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°	3854	3854	3854
5°	3836	3852	3875
10°	3812	3857	3908
15°	3777	3858	3944
20°	3734	3853	3977
25°	3674	3834	3994
30°	3607	3800	3980
35°	3527	3752	3943
40°	3430	3670	3881
45°	3321	3558	3771
50°	3202	3428	3628
55°	3054	3258	3462
60°	2856	3034	3235
65°	2587	2746	2917
70°	2283	2397	2528
75°	1961	2005	2091
80°	1574	1605	1638
85°	1152	1025	1025



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	3.5
10°-20°	391.0	10.2
20°-30°	594.7	15.4
30°-40°	711.5	18.5
40°-50°	719.3	18.7
50°-60°	619.0	16.1
60°-70°	427.4	11.1
70°-80°	207.2	5.4
80°-90°	44.9	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°	1121.5	29.1
0°-40°	1833.0	47.6
0°-60°	3171.4	82.4
0°-90°	3851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1420	1422	1426	1432	1434	135
15°	1356	1364	1385	1405	1416	382
25°	1238	1252	1291	1331	1345	570
35°	1074	1092	1142	1184	1200	671
45°	873	889	935	974	991	673
55°	651	661	694	726	738	580
65°	406	412	431	450	458	404
75°	189	184	193	199	201	200
85°	37	37	33	33	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1432.3	1432.3	1432.3	1432.3	1432.3
2.5°	1426.1	1426.1	1430.3	1434.4	1436.5
5°	1419.9	1422.0	1426.1	1432.3	1434.4
7.5°	1409.5	1411.6	1419.9	1430.3	1434.4
10°	1395.0	1399.2	1411.6	1424.1	1430.3
12.5°	1376.4	1384.7	1399.2	1415.8	1424.1
15°	1355.6	1363.9	1384.7	1405.4	1415.8
17.5°	1332.8	1341.1	1366.0	1393.0	1403.3
20°	1303.8	1316.3	1345.3	1376.4	1388.8
22.5°	1270.7	1287.2	1320.4	1353.6	1368.1
25°	1237.5	1252.0	1291.4	1330.8	1345.3
27.5°	1200.2	1216.8	1260.3	1299.7	1314.2
30°	1160.8	1177.4	1223.0	1266.5	1281.0
32.5°	1117.3	1138.0	1181.5	1227.1	1243.7
35°	1073.7	1092.4	1142.1	1183.6	1200.2
37.5°	1028.1	1044.7	1094.5	1138.0	1154.6
40°	976.3	995.0	1044.7	1088.3	1104.8
42.5°	926.6	945.2	990.8	1032.3	1046.8
45°	872.7	889.3	934.9	974.2	990.8
47.5°	818.8	837.4	876.8	916.2	932.8
50°	764.9	779.4	818.8	856.1	866.5
52.5°	708.9	721.4	756.6	789.8	804.3
55°	650.9	661.2	694.4	725.5	737.9
57.5°	588.7	601.1	632.2	655.0	669.5
60°	530.7	536.9	563.8	586.6	601.1
62.5°	472.6	474.7	495.4	518.2	526.5
65°	406.3	412.5	431.2	449.8	458.1
67.5°	346.2	352.4	366.9	381.4	387.6
70°	290.2	290.2	304.7	315.1	321.3
72.5°	234.2	236.3	246.7	252.9	259.1
75°	188.6	184.5	192.8	199.0	201.1
77.5°	141.0	138.9	145.1	147.2	151.3
80°	101.6	101.6	103.6	105.7	105.7
82.5°	66.3	66.3	68.4	64.3	62.2
85°	37.3	37.3	33.2	33.2	33.2
87.5°	12.4	12.4	12.4	14.5	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)