

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: P298130

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298130
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-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3471.0 lumens
Efficiency: N/A
Efficacy: 97.2 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

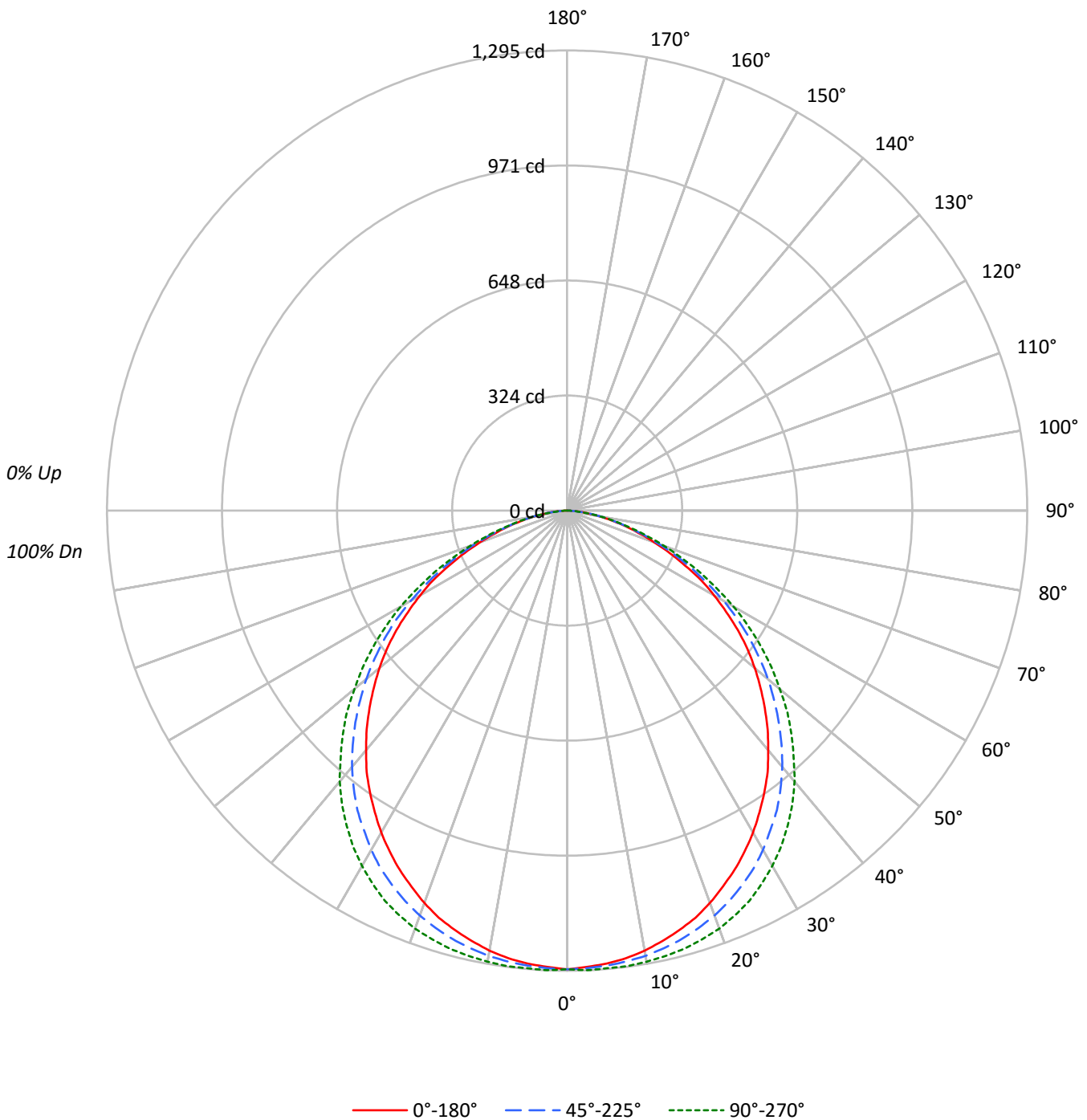
Input Watts (W): 35.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3474	3474	3474
5°	3457	3472	3492
10°	3436	3477	3522
15°	3404	3477	3555
20°	3365	3472	3585
25°	3312	3456	3600
30°	3251	3425	3588
35°	3179	3382	3554
40°	3091	3308	3498
45°	2993	3207	3399
50°	2886	3090	3270
55°	2753	2936	3120
60°	2574	2735	2916
65°	2332	2474	2629
70°	2058	2161	2279
75°	1768	1807	1884
80°	1418	1447	1477
85°	1037	923	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	3.5
10°-20°	352.4	10.2
20°-30°	536.0	15.4
30°-40°	641.3	18.5
40°-50°	648.4	18.7
50°-60°	558.0	16.1
60°-70°	385.2	11.1
70°-80°	186.8	5.4
80°-90°	40.5	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°	1010.8	29.1
0°-40°	1652.1	47.6
0°-60°	2858.5	82.4
0°-90°	3471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1291	1291	1291	1291	1291	
5°	1280	1282	1285	1291	1293	121
15°	1222	1229	1248	1267	1276	345
25°	1115	1128	1164	1200	1212	514
35°	968	985	1029	1067	1082	605
45°	787	802	843	878	893	607
55°	587	596	626	654	665	523
65°	366	372	389	405	413	364
75°	170	166	174	179	181	180
85°	34	34	30	30	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1291.0	1291.0	1291.0	1291.0	1291.0
2.5°	1285.4	1285.4	1289.1	1292.9	1294.7
5°	1279.8	1281.7	1285.4	1291.0	1292.9
7.5°	1270.5	1272.3	1279.8	1289.1	1292.9
10°	1257.4	1261.1	1272.3	1283.5	1289.1
12.5°	1240.6	1248.0	1261.1	1276.1	1283.5
15°	1221.9	1229.4	1248.0	1266.7	1276.1
17.5°	1201.3	1208.8	1231.2	1255.5	1264.9
20°	1175.2	1186.4	1212.5	1240.6	1251.8
22.5°	1145.3	1160.2	1190.1	1220.0	1233.1
25°	1115.4	1128.5	1164.0	1199.5	1212.5
27.5°	1081.8	1096.7	1135.9	1171.4	1184.5
30°	1046.3	1061.2	1102.3	1141.5	1154.6
32.5°	1007.0	1025.7	1064.9	1106.0	1121.0
35°	967.8	984.6	1029.4	1066.8	1081.8
37.5°	926.7	941.6	986.5	1025.7	1040.7
40°	880.0	896.8	941.6	980.9	995.8
42.5°	835.1	852.0	893.1	930.4	943.5
45°	786.6	801.5	842.6	878.1	893.1
47.5°	738.0	754.8	790.3	825.8	840.7
50°	689.4	702.5	738.0	771.6	781.0
52.5°	639.0	650.2	681.9	711.8	724.9
55°	586.7	596.0	625.9	653.9	665.1
57.5°	530.6	541.8	569.8	590.4	603.5
60°	478.3	483.9	508.2	528.7	541.8
62.5°	426.0	427.8	446.5	467.1	474.6
65°	366.2	371.8	388.6	405.4	412.9
67.5°	312.0	317.6	330.7	343.8	349.4
70°	261.6	261.6	274.6	284.0	289.6
72.5°	211.1	213.0	222.3	227.9	233.5
75°	170.0	166.3	173.8	179.4	181.2
77.5°	127.0	125.2	130.8	132.7	136.4
80°	91.5	91.5	93.4	95.3	95.3
82.5°	59.8	59.8	61.7	57.9	56.0
85°	33.6	33.6	29.9	29.9	29.9
87.5°	11.2	11.2	11.2	13.1	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)