

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: P298464

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298464
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-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3436.0 lumens
Efficiency: N/A
Efficacy: 96.8 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

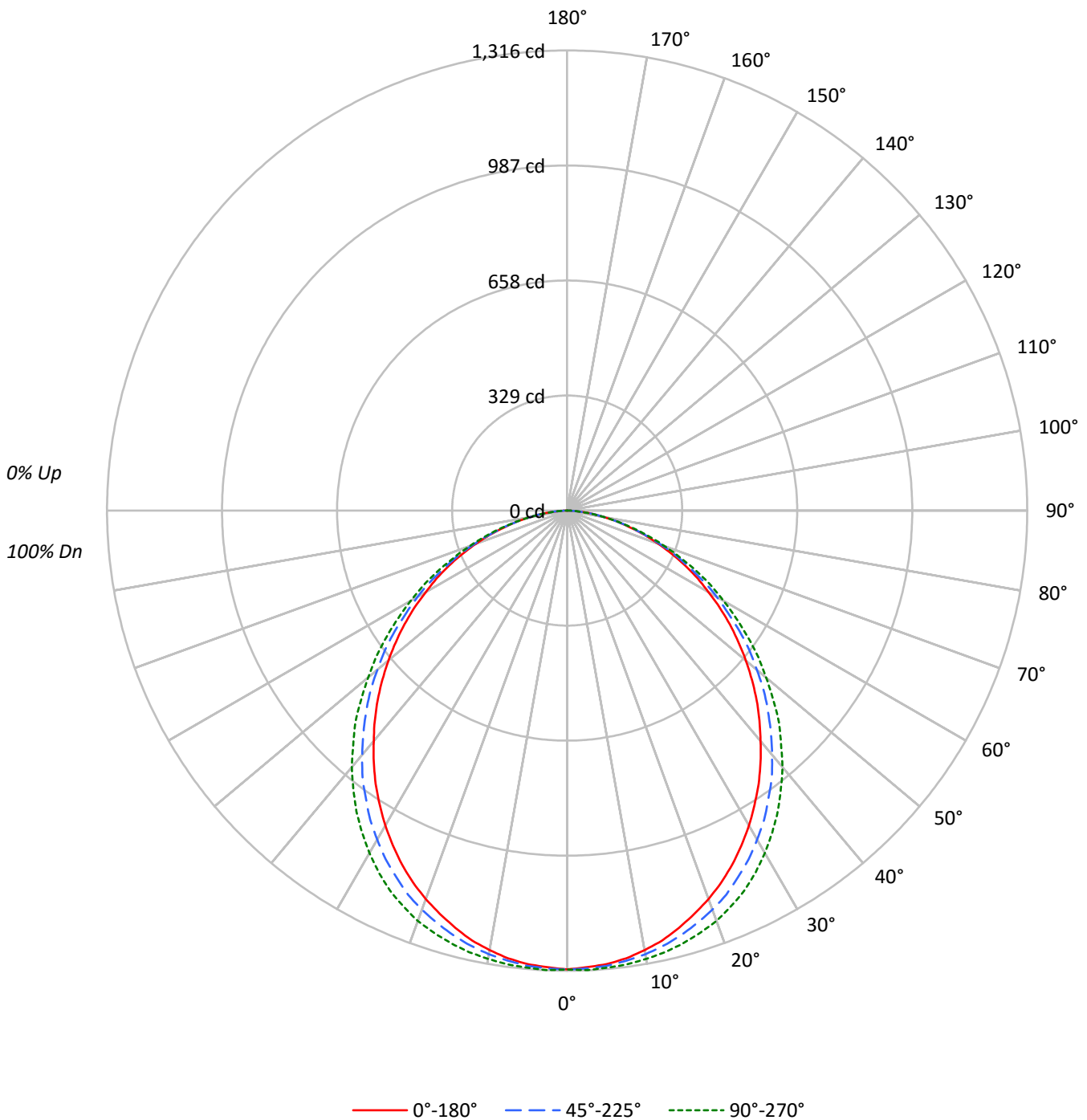
Input Watts (W): 35.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3531	3531	3531
5°	3517	3531	3545
10°	3487	3520	3557
15°	3441	3503	3570
20°	3385	3479	3576
25°	3317	3434	3561
30°	3232	3376	3514
35°	3136	3299	3451
40°	3023	3203	3365
45°	2917	3092	3262
50°	2793	2965	3108
55°	2665	2825	2962
60°	2513	2661	2781
65°	2375	2462	2582
70°	2180	2248	2329
75°	1939	1992	2045
80°	1671	1644	1644
85°	1269	1161	1056



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	3.6
10°-20°	354.8	10.3
20°-30°	532.7	15.5
30°-40°	626.9	18.2
40°-50°	625.3	18.2
50°-60°	536.6	15.6
60°-70°	384.3	11.2
70°-80°	203.5	5.9
80°-90°	47.6	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°	1011.6	29.4
0°-40°	1638.6	47.7
0°-60°	2800.5	81.5
0°-90°	3436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3436.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1312	1312	1312	1312	1312	
5°	1302	1302	1307	1310	1312	123
15°	1235	1240	1257	1274	1281	348
25°	1117	1127	1156	1186	1199	514
35°	955	967	1004	1038	1050	596
45°	766	778	813	842	857	591
55°	568	576	602	623	631	508
65°	373	375	387	402	406	368
75°	186	186	192	195	197	200
85°	41	39	38	34	34	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1312.2	1312.2	1312.2	1312.2	1312.2
2.5°	1307.0	1307.0	1310.5	1313.9	1315.6
5°	1301.9	1301.9	1307.0	1310.5	1312.2
7.5°	1291.6	1291.6	1298.5	1305.3	1308.8
10°	1276.3	1279.7	1288.2	1298.5	1301.9
12.5°	1259.1	1262.6	1274.5	1288.2	1293.4
15°	1235.2	1240.3	1257.4	1274.5	1281.4
17.5°	1209.5	1216.4	1236.9	1257.4	1266.0
20°	1182.2	1189.0	1214.7	1238.6	1248.9
22.5°	1151.4	1159.9	1189.0	1214.7	1224.9
25°	1117.1	1127.4	1156.5	1185.6	1199.3
27.5°	1079.5	1091.5	1124.0	1154.8	1166.8
30°	1040.2	1053.8	1086.4	1118.9	1130.8
32.5°	997.4	1009.4	1048.7	1079.5	1091.5
35°	954.6	966.6	1004.2	1038.5	1050.4
37.5°	908.4	923.8	961.5	992.3	1004.2
40°	860.5	875.9	911.9	947.8	958.0
42.5°	814.3	828.0	862.2	894.7	905.0
45°	766.4	778.4	812.6	841.7	857.1
47.5°	716.8	728.8	763.0	790.4	798.9
50°	667.2	679.2	708.3	732.2	742.5
52.5°	617.6	629.6	656.9	679.2	689.4
55°	568.0	576.5	602.2	622.7	631.3
57.5°	518.4	525.2	545.7	568.0	573.1
60°	467.0	475.6	494.4	509.8	516.7
62.5°	420.9	424.3	441.4	455.1	463.6
65°	373.0	374.7	386.6	402.0	405.5
67.5°	323.3	325.1	337.0	345.6	349.0
70°	277.1	277.1	285.7	292.5	296.0
72.5°	232.7	231.0	236.1	242.9	246.4
75°	186.5	186.5	191.6	195.0	196.7
77.5°	147.1	143.7	147.1	150.5	150.5
80°	107.8	106.1	106.1	107.8	106.1
82.5°	73.6	71.9	73.6	70.1	68.4
85°	41.1	39.3	37.6	34.2	34.2
87.5°	13.7	12.0	12.0	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)