

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: P298456

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298456
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-40L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3263.0 lumens
Efficiency: N/A
Efficacy: 102.6 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

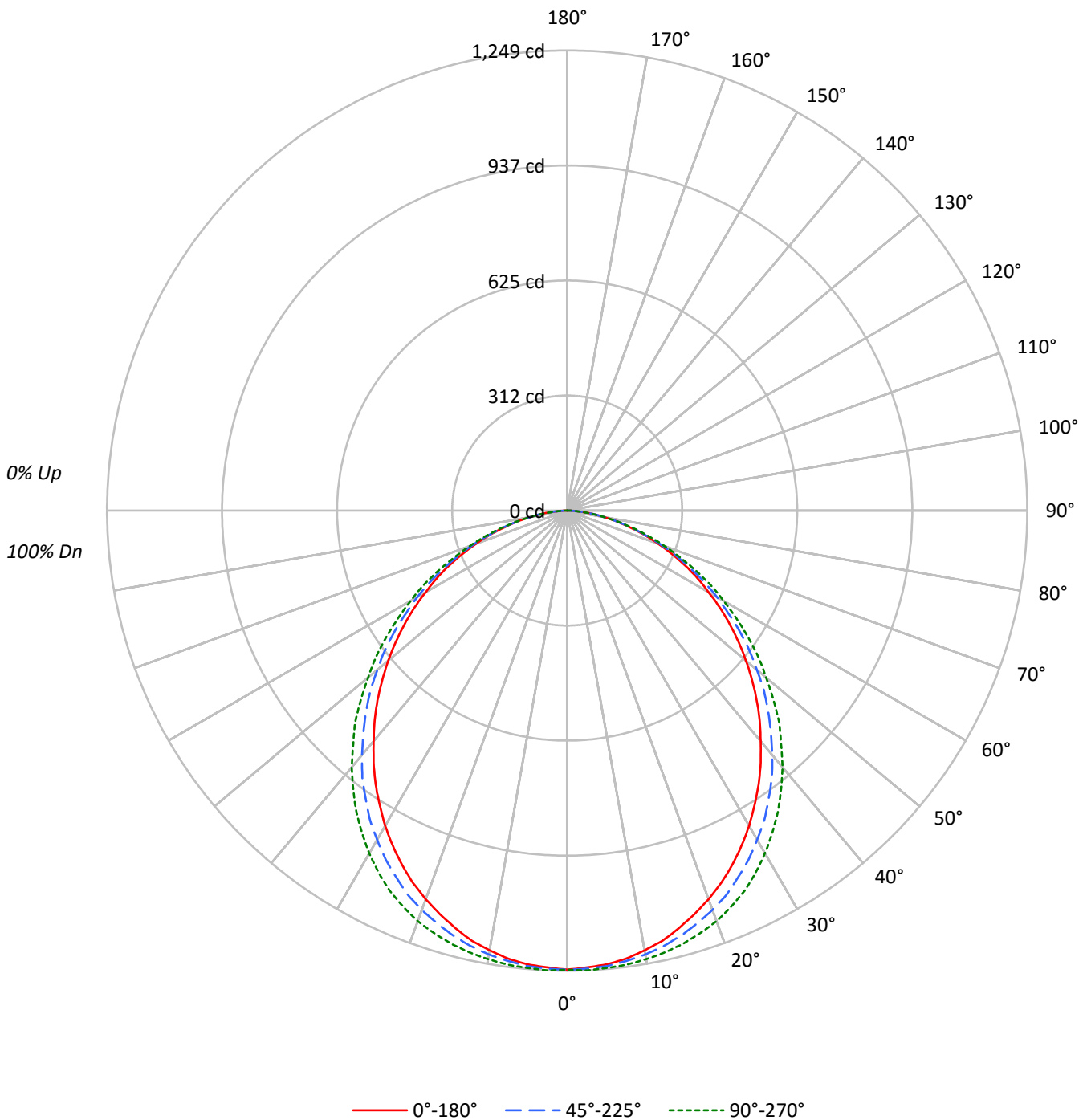
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3353	3353	3353
5°	3340	3353	3366
10°	3312	3343	3378
15°	3268	3327	3390
20°	3215	3303	3396
25°	3150	3261	3382
30°	3069	3206	3337
35°	2978	3133	3277
40°	2871	3042	3196
45°	2770	2937	3098
50°	2653	2816	2952
55°	2531	2683	2813
60°	2387	2527	2640
65°	2255	2338	2451
70°	2071	2135	2212
75°	1841	1892	1942
80°	1587	1561	1561
85°	1204	1102	1003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	3.6
10°-20°	336.9	10.3
20°-30°	505.9	15.5
30°-40°	595.4	18.2
40°-50°	593.8	18.2
50°-60°	509.6	15.6
60°-70°	365.0	11.2
70°-80°	193.3	5.9
80°-90°	45.2	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°	960.7	29.4
0°-40°	1556.1	47.7
0°-60°	2659.5	81.5
0°-90°	3263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1246	1246	1246	1246	1246	
5°	1236	1236	1241	1244	1246	117
15°	1173	1178	1194	1210	1217	331
25°	1061	1071	1098	1126	1139	488
35°	907	918	954	986	998	566
45°	728	739	772	799	814	561
55°	539	548	572	591	600	482
65°	354	356	367	382	385	350
75°	177	177	182	185	187	190
85°	39	37	36	32	32	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1246.1	1246.1	1246.1	1246.1	1246.1
2.5°	1241.2	1241.2	1244.5	1247.7	1249.4
5°	1236.4	1236.4	1241.2	1244.5	1246.1
7.5°	1226.6	1226.6	1233.1	1239.6	1242.9
10°	1212.0	1215.2	1223.4	1233.1	1236.4
12.5°	1195.7	1199.0	1210.4	1223.4	1228.2
15°	1173.0	1177.9	1194.1	1210.4	1216.9
17.5°	1148.6	1155.1	1174.6	1194.1	1202.2
20°	1122.6	1129.1	1153.5	1176.3	1186.0
22.5°	1093.4	1101.5	1129.1	1153.5	1163.3
25°	1060.9	1070.6	1098.3	1125.9	1138.9
27.5°	1025.2	1036.5	1067.4	1096.6	1108.0
30°	987.8	1000.8	1031.7	1062.5	1073.9
32.5°	947.2	958.5	995.9	1025.2	1036.5
35°	906.6	917.9	953.7	986.2	997.5
37.5°	862.7	877.3	913.1	942.3	953.7
40°	817.2	831.8	865.9	900.1	909.8
42.5°	773.3	786.3	818.8	849.7	859.4
45°	727.8	739.2	771.7	799.3	814.0
47.5°	680.7	692.1	724.6	750.6	758.7
50°	633.6	645.0	672.6	695.4	705.1
52.5°	586.5	597.9	623.9	645.0	654.7
55°	539.4	547.5	571.9	591.4	599.5
57.5°	492.3	498.8	518.3	539.4	544.3
60°	443.5	451.7	469.5	484.1	490.6
62.5°	399.7	402.9	419.2	432.2	440.3
65°	354.2	355.8	367.2	381.8	385.0
67.5°	307.1	308.7	320.1	328.2	331.4
70°	263.2	263.2	271.3	277.8	281.1
72.5°	221.0	219.3	224.2	230.7	234.0
75°	177.1	177.1	182.0	185.2	186.8
77.5°	139.7	136.5	139.7	143.0	143.0
80°	102.4	100.7	100.7	102.4	100.7
82.5°	69.9	68.2	69.9	66.6	65.0
85°	39.0	37.4	35.7	32.5	32.5
87.5°	13.0	11.4	11.4	13.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)