

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: P298458

Luminaire Tested: **D3X-WO-40L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298458
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-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3536.0 lumens
Efficiency: N/A
Efficacy: 108.8 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

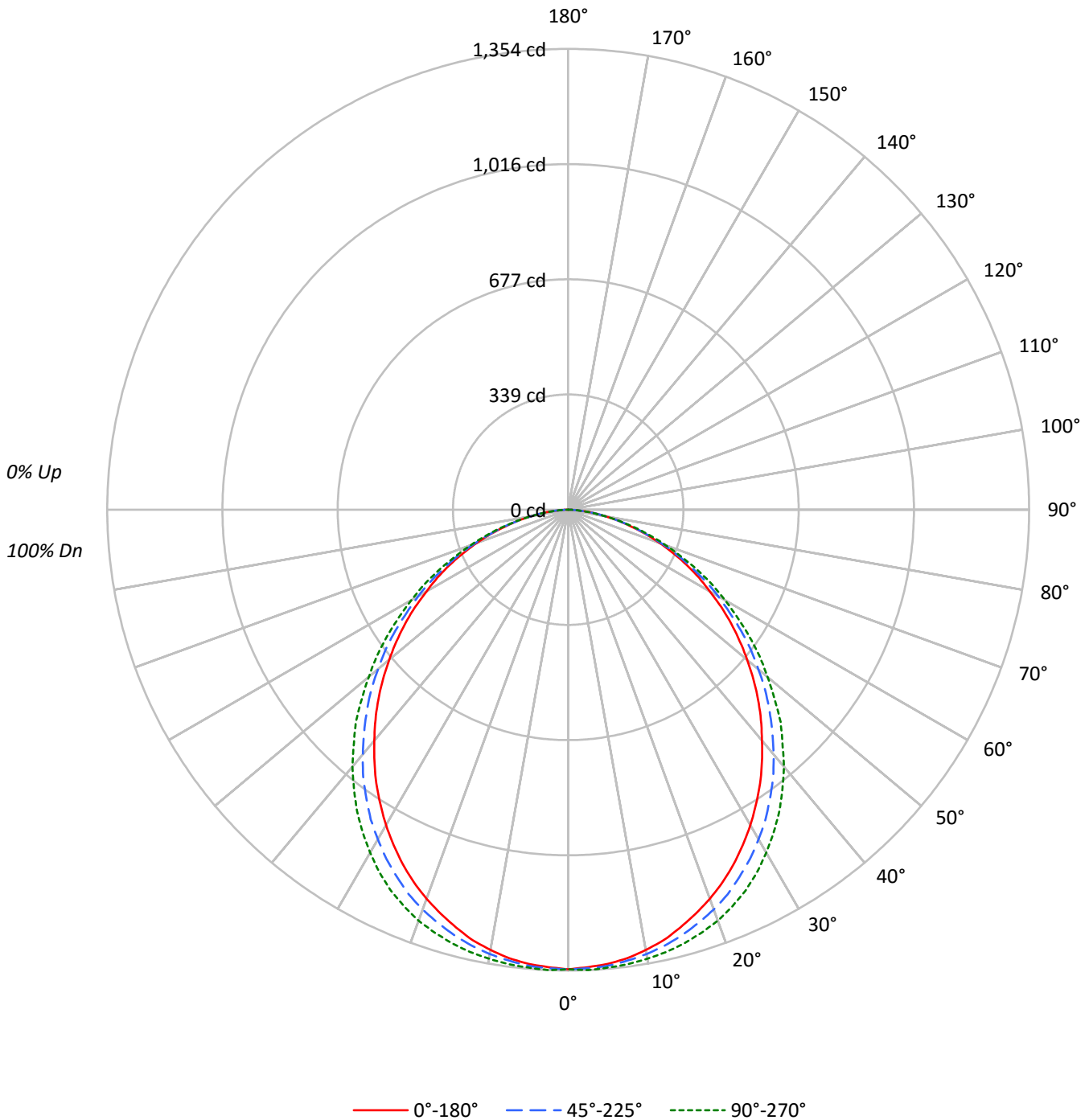
Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3634	3634	3634
5°	3619	3633	3648
10°	3589	3622	3661
15°	3541	3605	3674
20°	3484	3580	3680
25°	3414	3534	3665
30°	3326	3474	3616
35°	3227	3395	3551
40°	3111	3296	3463
45°	3001	3183	3357
50°	2874	3051	3199
55°	2742	2907	3048
60°	2587	2738	2862
65°	2444	2534	2657
70°	2244	2313	2397
75°	1995	2050	2105
80°	1719	1692	1692
85°	1306	1195	1087



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	3.6
10°-20°	365.1	10.3
20°-30°	548.2	15.5
30°-40°	645.2	18.2
40°-50°	643.5	18.2
50°-60°	552.3	15.6
60°-70°	395.5	11.2
70°-80°	209.5	5.9
80°-90°	49.0	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°	1041.1	29.4
0°-40°	1686.3	47.7
0°-60°	2882.0	81.5
0°-90°	3536.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3536.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1340	1340	1345	1349	1350	127
15°	1271	1276	1294	1312	1319	358
25°	1150	1160	1190	1220	1234	529
35°	982	995	1034	1069	1081	614
45°	789	801	836	866	882	608
55°	584	593	620	641	650	522
65°	384	386	398	414	417	379
75°	192	192	197	201	202	206
85°	42	40	39	35	35	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1350.4	1350.4	1350.4	1350.4	1350.4
2.5°	1345.1	1345.1	1348.6	1352.1	1353.9
5°	1339.8	1339.8	1345.1	1348.6	1350.4
7.5°	1329.2	1329.2	1336.3	1343.3	1346.8
10°	1313.4	1316.9	1325.7	1336.3	1339.8
12.5°	1295.8	1299.3	1311.6	1325.7	1331.0
15°	1271.1	1276.4	1294.0	1311.6	1318.7
17.5°	1244.7	1251.8	1272.9	1294.0	1302.8
20°	1216.6	1223.6	1250.0	1274.7	1285.2
22.5°	1184.9	1193.7	1223.6	1250.0	1260.6
25°	1149.7	1160.2	1190.2	1220.1	1234.2
27.5°	1110.9	1123.3	1156.7	1188.4	1200.7
30°	1070.4	1084.5	1118.0	1151.4	1163.7
32.5°	1026.4	1038.7	1079.2	1110.9	1123.3
35°	982.4	994.7	1033.5	1068.7	1081.0
37.5°	934.9	950.7	989.4	1021.1	1033.5
40°	885.6	901.4	938.4	975.4	985.9
42.5°	838.0	852.1	887.3	920.8	931.3
45°	788.7	801.1	836.3	866.2	882.1
47.5°	737.7	750.0	785.2	813.4	822.2
50°	686.6	699.0	728.9	753.5	764.1
52.5°	635.6	647.9	676.1	699.0	709.5
55°	584.5	593.3	619.7	640.9	649.7
57.5°	533.5	540.5	561.6	584.5	589.8
60°	480.6	489.4	508.8	524.7	531.7
62.5°	433.1	436.6	454.2	468.3	477.1
65°	383.8	385.6	397.9	413.7	417.3
67.5°	332.8	334.5	346.8	355.6	359.2
70°	285.2	285.2	294.0	301.1	304.6
72.5°	239.4	237.7	243.0	250.0	253.5
75°	191.9	191.9	197.2	200.7	202.5
77.5°	151.4	147.9	151.4	154.9	154.9
80°	110.9	109.2	109.2	110.9	109.2
82.5°	75.7	73.9	75.7	72.2	70.4
85°	42.3	40.5	38.7	35.2	35.2
87.5°	14.1	12.3	12.3	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)