

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: P298132

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298132
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-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3676.0 lumens
Efficiency: N/A
Efficacy: 101.3 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

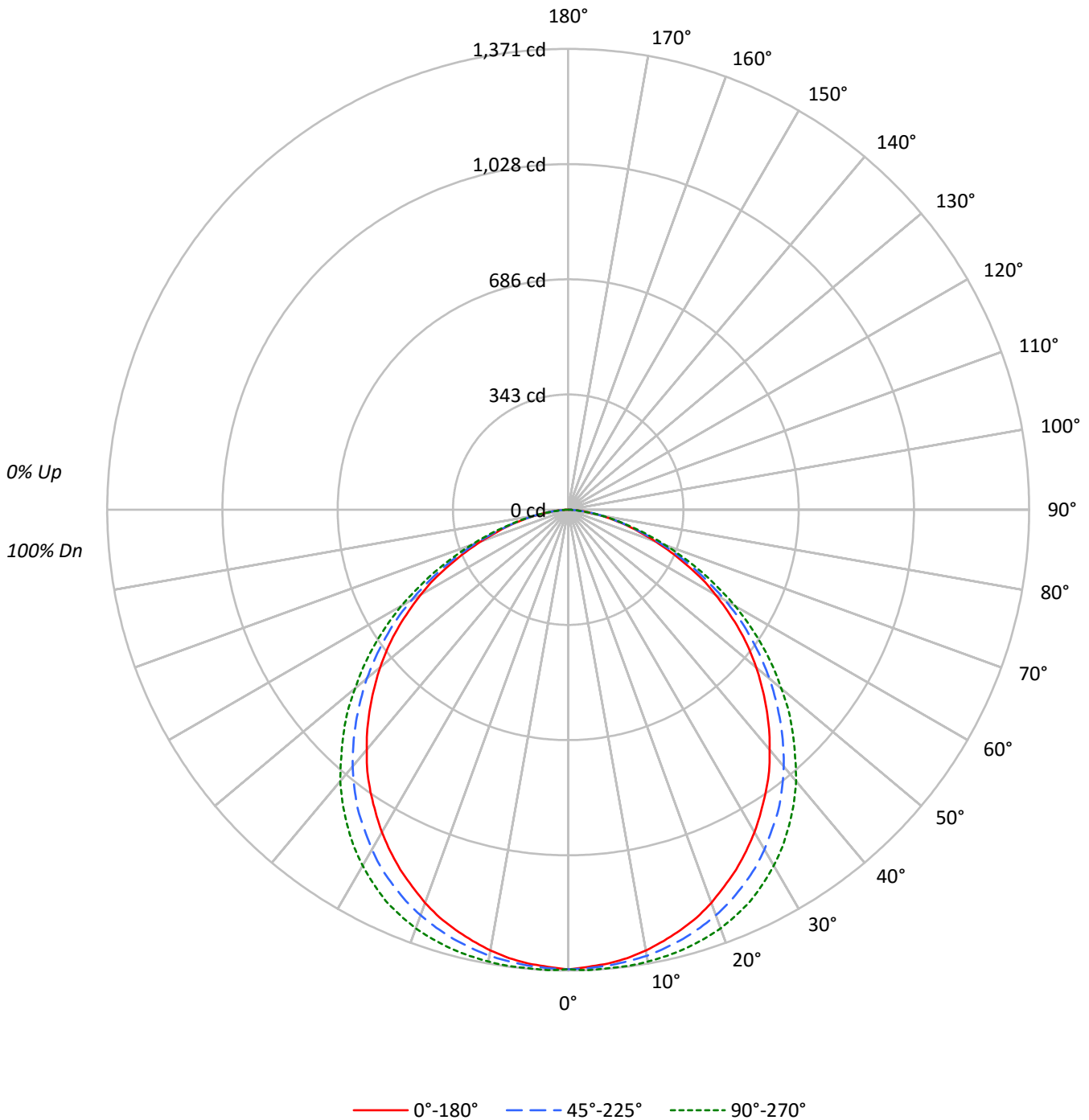
Input Watts (W): 36.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3679	3679	3679
5°	3661	3677	3699
10°	3639	3682	3731
15°	3605	3682	3765
20°	3564	3678	3796
25°	3507	3660	3813
30°	3443	3627	3800
35°	3367	3581	3763
40°	3274	3503	3705
45°	3170	3396	3599
50°	3057	3272	3463
55°	2915	3110	3305
60°	2726	2897	3088
65°	2469	2621	2784
70°	2179	2289	2413
75°	1873	1913	1995
80°	1503	1533	1564
85°	1099	979	979



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	3.5
10°-20°	373.2	10.2
20°-30°	567.7	15.4
30°-40°	679.2	18.5
40°-50°	686.7	18.7
50°-60°	590.9	16.1
60°-70°	408.0	11.1
70°-80°	197.8	5.4
80°-90°	42.9	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°	1070.5	29.1
0°-40°	1749.7	47.6
0°-60°	3027.3	82.4
0°-90°	3676.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3676.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1367	1367	1367	1367	1367	
5°	1355	1357	1361	1367	1369	129
15°	1294	1302	1322	1342	1351	365
25°	1181	1195	1233	1270	1284	544
35°	1025	1043	1090	1130	1146	641
45°	833	849	892	930	946	643
55°	621	631	663	692	704	554
65°	388	394	412	429	437	386
75°	180	176	184	190	192	191
85°	36	36	32	32	32	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1367.3	1367.3	1367.3	1367.3	1367.3
2.5°	1361.3	1361.3	1365.3	1369.2	1371.2
5°	1355.4	1357.4	1361.3	1367.3	1369.2
7.5°	1345.5	1347.5	1355.4	1365.3	1369.2
10°	1331.6	1335.6	1347.5	1359.3	1365.3
12.5°	1313.8	1321.7	1335.6	1351.4	1359.3
15°	1294.0	1302.0	1321.7	1341.5	1351.4
17.5°	1272.3	1280.2	1303.9	1329.7	1339.6
20°	1244.6	1256.5	1284.2	1313.8	1325.7
22.5°	1212.9	1228.7	1260.4	1292.1	1305.9
25°	1181.3	1195.1	1232.7	1270.3	1284.2
27.5°	1145.6	1161.5	1203.0	1240.6	1254.5
30°	1108.1	1123.9	1167.4	1209.0	1222.8
32.5°	1066.5	1086.3	1127.8	1171.4	1187.2
35°	1024.9	1042.8	1090.2	1129.8	1145.6
37.5°	981.4	997.2	1044.7	1086.3	1102.1
40°	932.0	949.8	997.2	1038.8	1054.6
42.5°	884.5	902.3	945.8	985.4	999.2
45°	833.0	848.8	892.4	930.0	945.8
47.5°	781.6	799.4	837.0	874.6	890.4
50°	730.1	744.0	781.6	817.2	827.1
52.5°	676.7	688.6	722.2	753.9	767.7
55°	621.3	631.2	662.9	692.5	704.4
57.5°	561.9	573.8	603.5	625.3	639.1
60°	506.5	512.5	538.2	560.0	573.8
62.5°	451.1	453.1	472.9	494.7	502.6
65°	387.8	393.8	411.6	429.4	437.3
67.5°	330.4	336.4	350.2	364.1	370.0
70°	277.0	277.0	290.9	300.8	306.7
72.5°	223.6	225.6	235.5	241.4	247.3
75°	180.1	176.1	184.0	190.0	191.9
77.5°	134.5	132.6	138.5	140.5	144.4
80°	97.0	97.0	98.9	100.9	100.9
82.5°	63.3	63.3	65.3	61.3	59.4
85°	35.6	35.6	31.7	31.7	31.7
87.5°	11.9	11.9	11.9	13.9	11.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)