

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: P298134

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298134
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-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3809.0 lumens
Efficiency: N/A
Efficacy: 104.1 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

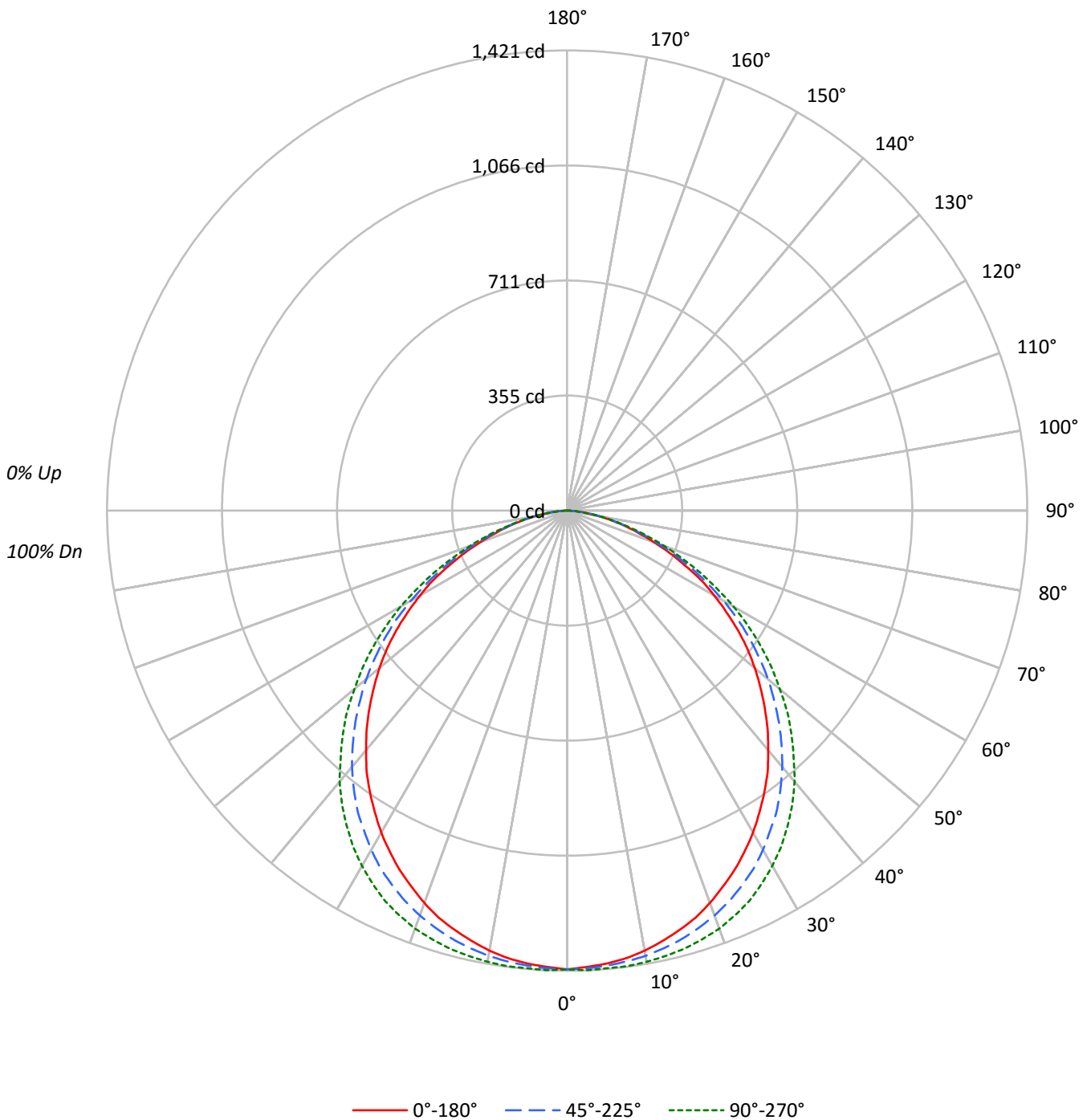
Input Watts (W): 36.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3812	3812	3812
5°	3794	3810	3833
10°	3770	3815	3866
15°	3736	3816	3901
20°	3693	3810	3934
25°	3634	3793	3951
30°	3567	3759	3937
35°	3489	3711	3900
40°	3392	3630	3839
45°	3285	3519	3730
50°	3167	3390	3588
55°	3020	3222	3424
60°	2825	3002	3200
65°	2558	2716	2885
70°	2258	2371	2500
75°	1940	1983	2068
80°	1557	1588	1621
85°	1139	1013	1013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.3	3.5
10°-20°	386.7	10.2
20°-30°	588.2	15.4
30°-40°	703.8	18.5
40°-50°	711.5	18.7
50°-60°	612.3	16.1
60°-70°	422.7	11.1
70°-80°	205.0	5.4
80°-90°	44.5	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°	1109.2	29.1
0°-40°	1813.0	47.6
0°-60°	3136.8	82.4
0°-90°	3809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3809.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1417	1417	1417	1417	1417	
5°	1404	1406	1411	1417	1419	133
15°	1341	1349	1370	1390	1400	378
25°	1224	1238	1277	1316	1331	564
35°	1062	1080	1130	1171	1187	664
45°	863	880	925	964	980	666
55°	644	654	687	718	730	574
65°	402	408	426	445	453	400
75°	187	182	191	197	199	198
85°	37	37	33	33	33	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1416.7	1416.7	1416.7	1416.7	1416.7
2.5°	1410.6	1410.6	1414.7	1418.8	1420.8
5°	1404.4	1406.5	1410.6	1416.7	1418.8
7.5°	1394.2	1396.2	1404.4	1414.7	1418.8
10°	1379.8	1383.9	1396.2	1408.5	1414.7
12.5°	1361.4	1369.6	1383.9	1400.3	1408.5
15°	1340.9	1349.1	1369.6	1390.1	1400.3
17.5°	1318.3	1326.5	1351.1	1377.8	1388.0
20°	1289.6	1301.9	1330.6	1361.4	1373.7
22.5°	1256.8	1273.2	1306.0	1338.8	1353.2
25°	1224.0	1238.4	1277.3	1316.3	1330.6
27.5°	1187.1	1203.5	1246.6	1285.5	1299.9
30°	1148.1	1164.5	1209.6	1252.7	1267.1
32.5°	1105.1	1125.6	1168.6	1213.7	1230.2
35°	1062.0	1080.5	1129.7	1170.7	1187.1
37.5°	1016.9	1033.3	1082.5	1125.6	1142.0
40°	965.7	984.1	1033.3	1076.4	1092.8
42.5°	916.5	934.9	980.0	1021.0	1035.4
45°	863.2	879.6	924.7	963.6	980.0
47.5°	809.8	828.3	867.3	906.2	922.6
50°	756.5	770.9	809.8	846.8	857.0
52.5°	701.2	713.5	748.3	781.1	795.5
55°	643.8	654.0	686.8	717.6	729.9
57.5°	582.3	594.6	625.3	647.9	662.2
60°	524.9	531.0	557.7	580.2	594.6
62.5°	467.5	469.5	490.0	512.6	520.8
65°	401.8	408.0	426.5	444.9	453.1
67.5°	342.4	348.5	362.9	377.2	383.4
70°	287.0	287.0	301.4	311.6	317.8
72.5°	231.7	233.7	244.0	250.1	256.3
75°	186.6	182.5	190.7	196.8	198.9
77.5°	139.4	137.4	143.5	145.6	149.7
80°	100.5	100.5	102.5	104.6	104.6
82.5°	65.6	65.6	67.7	63.6	61.5
85°	36.9	36.9	32.8	32.8	32.8
87.5°	12.3	12.3	12.3	14.4	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)