

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: P298467

Luminaire Tested: **D3X-WO-44L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298467
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-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: 3873.0 lumens
Efficiency: N/A
Efficacy: 107.6 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

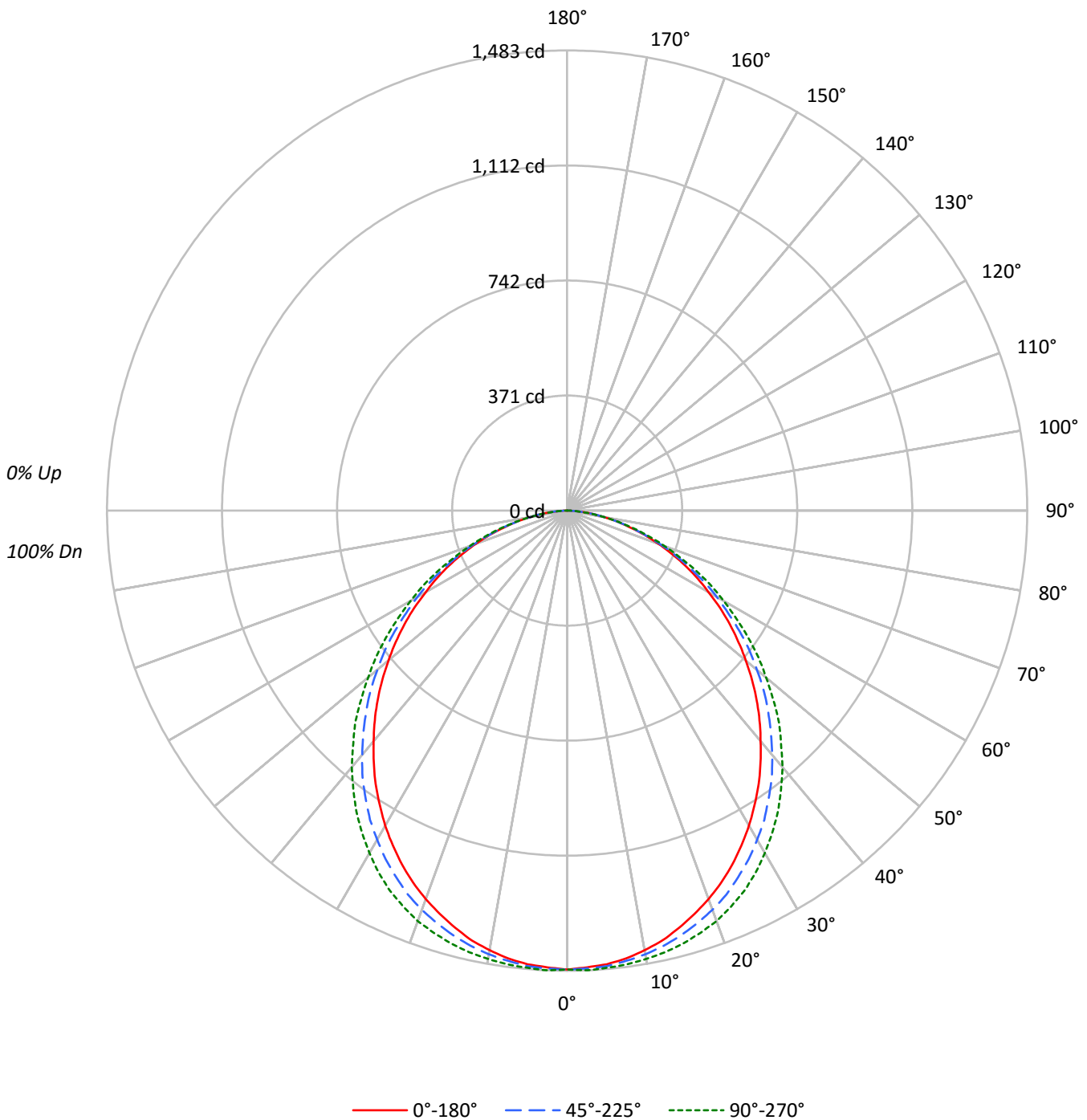
Input Watts (W): 36
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3980	3980	3980
5°	3964	3980	3995
10°	3931	3968	4010
15°	3879	3949	4024
20°	3816	3921	4031
25°	3739	3871	4014
30°	3643	3805	3961
35°	3535	3719	3890
40°	3407	3610	3793
45°	3288	3486	3677
50°	3149	3342	3504
55°	3004	3185	3339
60°	2833	2999	3134
65°	2677	2775	2910
70°	2458	2533	2625
75°	2185	2246	2306
80°	1883	1853	1853
85°	1430	1309	1192



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	3.6
10°-20°	399.9	10.3
20°-30°	600.4	15.5
30°-40°	706.7	18.2
40°-50°	704.9	18.2
50°-60°	604.9	15.6
60°-70°	433.2	11.2
70°-80°	229.4	5.9
80°-90°	53.7	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°	1140.3	29.4
0°-40°	1847.0	47.7
0°-60°	3156.7	81.5
0°-90°	3873.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3873.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1479	1479	1479	1479	1479	
5°	1468	1468	1473	1477	1479	139
15°	1392	1398	1417	1437	1444	392
25°	1259	1271	1304	1336	1352	579
35°	1076	1090	1132	1170	1184	672
45°	864	877	916	949	966	666
55°	640	650	679	702	712	572
65°	420	422	436	453	457	415
75°	210	210	216	220	222	225
85°	46	44	42	39	39	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1479.1	1479.1	1479.1	1479.1	1479.1
2.5°	1473.3	1473.3	1477.1	1481.0	1482.9
5°	1467.5	1467.5	1473.3	1477.1	1479.1
7.5°	1455.9	1455.9	1463.6	1471.4	1475.2
10°	1438.6	1442.4	1452.1	1463.6	1467.5
12.5°	1419.3	1423.1	1436.6	1452.1	1457.9
15°	1392.3	1398.1	1417.4	1436.6	1444.4
17.5°	1363.4	1371.1	1394.2	1417.4	1427.0
20°	1332.5	1340.2	1369.1	1396.1	1407.7
22.5°	1297.8	1307.4	1340.2	1369.1	1380.7
25°	1259.2	1270.8	1303.6	1336.4	1351.8
27.5°	1216.8	1230.3	1266.9	1301.7	1315.2
30°	1172.5	1187.9	1224.5	1261.2	1274.7
32.5°	1124.2	1137.7	1182.1	1216.8	1230.3
35°	1076.0	1089.5	1132.0	1170.5	1184.0
37.5°	1024.0	1041.3	1083.7	1118.5	1132.0
40°	970.0	987.3	1027.8	1068.3	1079.9
42.5°	917.9	933.3	971.9	1008.5	1020.1
45°	863.9	877.4	916.0	948.8	966.1
47.5°	808.0	821.5	860.1	890.9	900.6
50°	752.1	765.6	798.3	825.3	836.9
52.5°	696.1	709.6	740.5	765.6	777.1
55°	640.2	649.9	678.8	701.9	711.6
57.5°	584.3	592.0	615.2	640.2	646.0
60°	526.4	536.1	557.3	574.7	582.4
62.5°	474.4	478.2	497.5	512.9	522.6
65°	420.4	422.3	435.8	453.2	457.0
67.5°	364.5	366.4	379.9	389.5	393.4
70°	312.4	312.4	322.0	329.8	333.6
72.5°	262.3	260.3	266.1	273.8	277.7
75°	210.2	210.2	216.0	219.8	221.8
77.5°	165.8	162.0	165.8	169.7	169.7
80°	121.5	119.6	119.6	121.5	119.6
82.5°	82.9	81.0	82.9	79.1	77.1
85°	46.3	44.4	42.4	38.6	38.6
87.5°	15.4	13.5	13.5	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)