

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: P297455

Luminaire Tested: **D3X-WO-80L93050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-80L93050-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6854.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

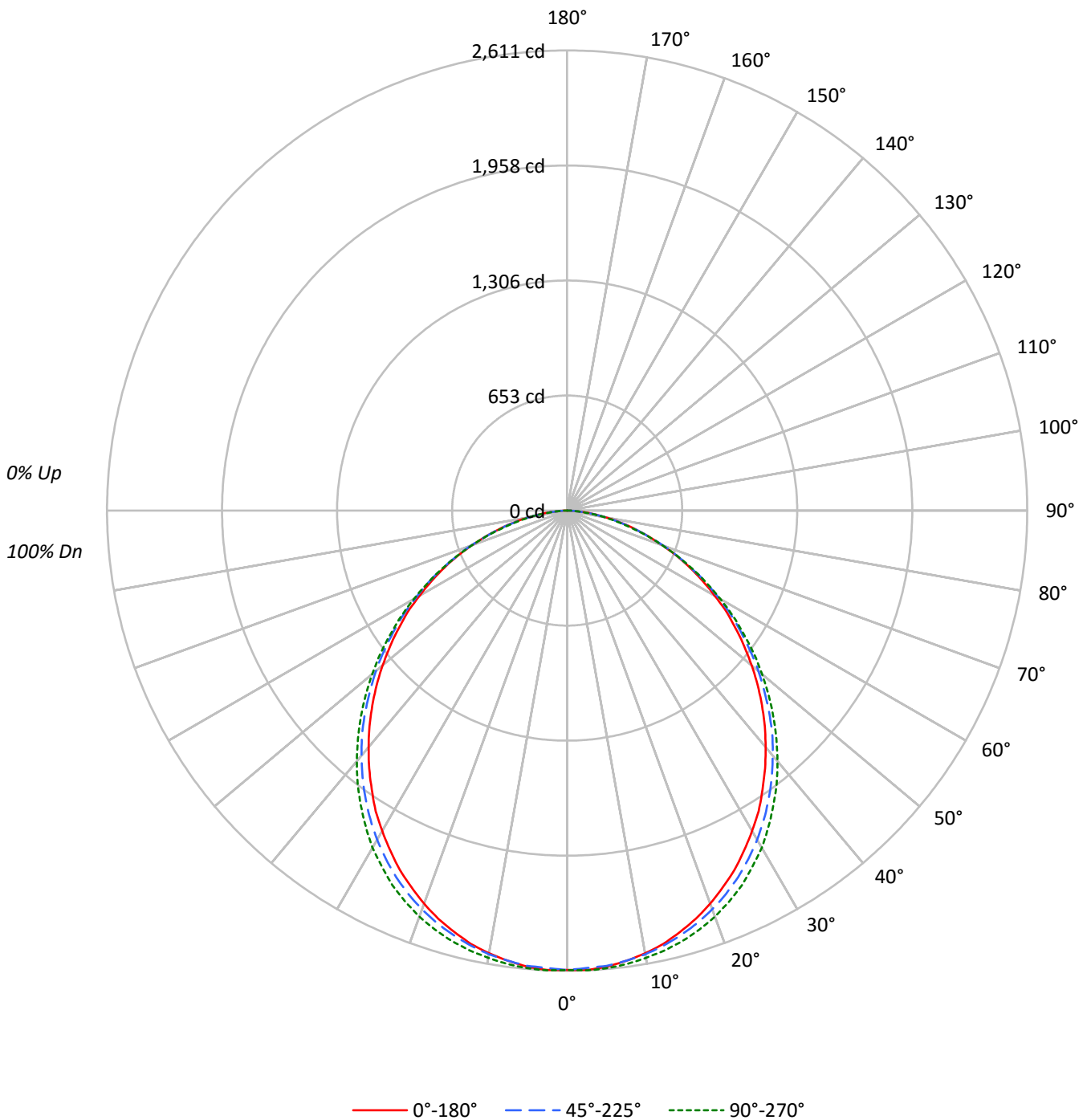
Input Watts (W): 61.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	30	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°	3507	3507	3507
5°	3508	3502	3521
10°	3486	3492	3520
15°	3448	3473	3522
20°	3398	3448	3511
25°	3339	3407	3483
30°	3261	3350	3433
35°	3174	3277	3352
40°	3078	3188	3260
45°	2974	3084	3150
50°	2861	2967	3021
55°	2741	2827	2871
60°	2603	2672	2703
65°	2455	2492	2507
70°	2253	2280	2253
75°	2028	2017	1956
80°	1718	1699	1646
85°	1283	1247	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.8	3.6
10°-20°	705.0	10.3
20°-30°	1057.1	15.4
30°-40°	1244.9	18.2
40°-50°	1245.1	18.2
50°-60°	1074.3	15.7
60°-70°	773.0	11.3
70°-80°	410.0	6.0
80°-90°	97.8	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°	2008.9	29.3
0°-40°	3253.8	47.5
0°-60°	5573.1	81.3
0°-90°	6854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6854.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2607	2607	2607	2607	2607	
5°	2598	2595	2593	2602	2607	246
15°	2475	2482	2494	2519	2528	698
25°	2249	2263	2295	2334	2346	1034
35°	1932	1956	1995	2030	2041	1209
45°	1563	1584	1621	1648	1656	1206
55°	1168	1180	1205	1226	1224	1046
65°	771	774	783	787	787	763
75°	390	386	388	379	376	415
85°	83	83	81	74	72	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2606.7	2606.7	2606.7	2606.7	2606.7
2.5°	2609.0	2604.4	2597.5	2606.7	2611.3
5°	2597.5	2595.2	2592.8	2602.1	2606.7
7.5°	2576.7	2579.0	2576.7	2590.5	2595.2
10°	2551.3	2553.6	2555.9	2572.1	2576.7
12.5°	2519.0	2521.3	2528.2	2549.0	2555.9
15°	2475.1	2482.0	2493.6	2519.0	2528.2
17.5°	2428.9	2438.2	2454.3	2484.3	2493.6
20°	2373.5	2385.1	2408.1	2440.5	2452.0
22.5°	2311.2	2322.7	2355.0	2389.7	2401.2
25°	2248.8	2262.7	2295.0	2334.3	2345.8
27.5°	2174.9	2193.4	2228.0	2267.3	2276.5
30°	2098.8	2114.9	2156.5	2193.4	2209.6
32.5°	2022.6	2038.7	2078.0	2114.9	2126.5
35°	1932.5	1955.6	1994.9	2029.5	2041.0
37.5°	1844.8	1865.6	1907.1	1941.8	1953.3
40°	1752.4	1770.9	1814.8	1847.1	1856.3
42.5°	1660.1	1678.5	1722.4	1747.8	1757.0
45°	1563.1	1583.9	1620.8	1648.5	1655.5
47.5°	1466.1	1482.3	1516.9	1542.3	1551.6
50°	1366.8	1383.0	1417.6	1438.4	1443.0
52.5°	1267.6	1279.1	1311.4	1329.9	1336.8
55°	1168.3	1179.8	1205.2	1226.0	1223.7
57.5°	1073.6	1078.2	1103.6	1117.5	1117.5
60°	967.4	972.0	992.8	1002.0	1004.4
62.5°	868.1	875.1	891.2	893.5	893.5
65°	771.2	773.5	782.7	787.3	787.3
67.5°	674.2	671.9	681.1	681.1	678.8
70°	572.6	577.2	579.5	574.9	572.6
72.5°	480.2	477.9	477.9	475.6	475.6
75°	390.2	385.6	387.9	378.7	376.3
77.5°	307.1	300.2	297.8	293.2	288.6
80°	221.7	221.7	219.3	214.7	212.4
82.5°	147.8	147.8	145.5	140.8	136.2
85°	83.1	83.1	80.8	73.9	71.6
87.5°	27.7	27.7	27.7	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)