

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: P297539

Luminaire Tested: **D3X-WO-74L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297539
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-74L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7055.0 lumens
Efficiency: N/A
Efficacy: 122.3 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

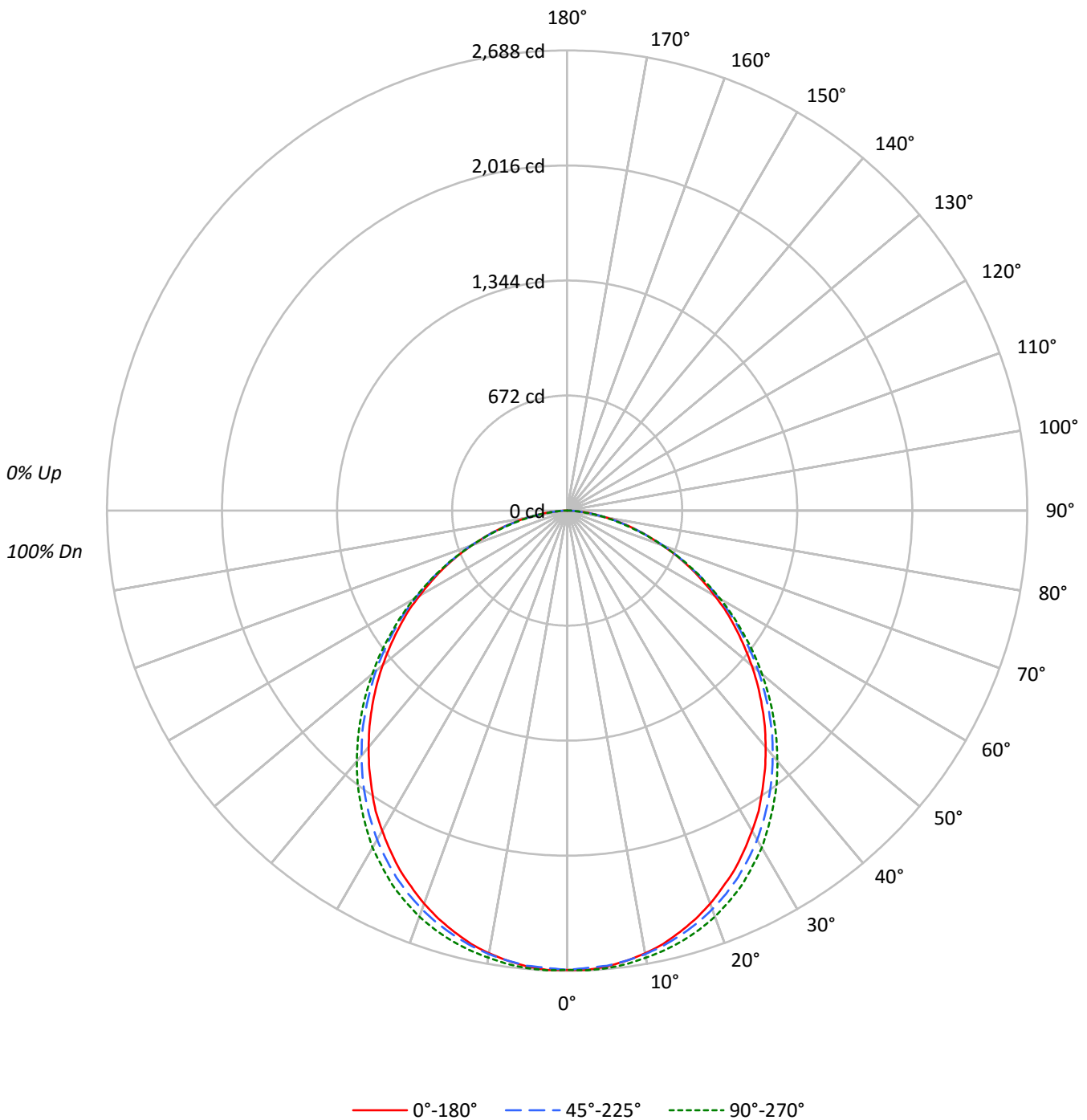
Input Watts (W): 57.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3610	3610	3610
5°	3611	3605	3624
10°	3588	3594	3624
15°	3549	3575	3625
20°	3498	3549	3614
25°	3437	3507	3585
30°	3356	3449	3534
35°	3267	3373	3451
40°	3168	3281	3356
45°	3061	3175	3242
50°	2945	3054	3109
55°	2821	2910	2955
60°	2680	2750	2782
65°	2527	2565	2580
70°	2319	2347	2319
75°	2088	2076	2014
80°	1768	1750	1694
85°	1321	1284	1138



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	3.6
10°-20°	725.7	10.3
20°-30°	1088.1	15.4
30°-40°	1281.4	18.2
40°-50°	1281.6	18.2
50°-60°	1105.8	15.7
60°-70°	795.7	11.3
70°-80°	422.1	6.0
80°-90°	100.7	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°	2067.8	29.3
0°-40°	3349.2	47.5
0°-60°	5736.6	81.3
0°-90°	7055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7055.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2683	2683	2683	2683	2683	
5°	2674	2671	2669	2678	2683	254
15°	2548	2555	2567	2593	2602	718
25°	2315	2329	2362	2403	2415	1065
35°	1989	2013	2053	2089	2101	1244
45°	1609	1630	1668	1697	1704	1241
55°	1202	1214	1241	1262	1260	1076
65°	794	796	806	810	810	785
75°	402	397	399	390	387	427
85°	86	86	83	76	74	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2683.1	2683.1	2683.1	2683.1	2683.1
2.5°	2685.5	2680.8	2673.6	2683.1	2687.9
5°	2673.6	2671.3	2668.9	2678.4	2683.1
7.5°	2652.3	2654.6	2652.3	2666.5	2671.3
10°	2626.1	2628.5	2630.9	2647.5	2652.3
12.5°	2592.8	2595.2	2602.3	2623.7	2630.9
15°	2547.7	2554.8	2566.7	2592.8	2602.3
17.5°	2500.2	2509.7	2526.3	2557.2	2566.7
20°	2443.1	2455.0	2478.8	2512.0	2523.9
22.5°	2378.9	2390.8	2424.1	2459.7	2471.6
25°	2314.8	2329.0	2362.3	2402.7	2414.6
27.5°	2238.7	2257.7	2293.4	2333.8	2343.3
30°	2160.3	2176.9	2219.7	2257.7	2274.4
32.5°	2081.9	2098.5	2138.9	2176.9	2188.8
35°	1989.2	2013.0	2053.4	2089.0	2100.9
37.5°	1898.9	1920.3	1963.0	1998.7	2010.6
40°	1803.8	1822.8	1868.0	1901.3	1910.8
42.5°	1708.8	1727.8	1772.9	1799.1	1808.6
45°	1608.9	1630.3	1668.4	1696.9	1704.0
47.5°	1509.1	1525.8	1561.4	1587.5	1597.1
50°	1406.9	1423.6	1459.2	1480.6	1485.4
52.5°	1304.7	1316.6	1349.9	1368.9	1376.0
55°	1202.5	1214.4	1240.6	1262.0	1259.6
57.5°	1105.1	1109.9	1136.0	1150.3	1150.3
60°	995.8	1000.5	1021.9	1031.4	1033.8
62.5°	893.6	900.7	917.4	919.7	919.7
65°	793.8	796.2	805.7	810.4	810.4
67.5°	694.0	691.6	701.1	701.1	698.7
70°	589.4	594.1	596.5	591.8	589.4
72.5°	494.3	491.9	491.9	489.6	489.6
75°	401.6	396.9	399.3	389.8	387.4
77.5°	316.1	309.0	306.6	301.8	297.1
80°	228.2	228.2	225.8	221.0	218.6
82.5°	152.1	152.1	149.7	145.0	140.2
85°	85.6	85.6	83.2	76.1	73.7
87.5°	28.5	28.5	28.5	28.5	28.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)