

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: P297392

Luminaire Tested: **D3X-WO-74L82765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297392
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-74L82765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7018.0 lumens
Efficiency: N/A
Efficacy: 128.3 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

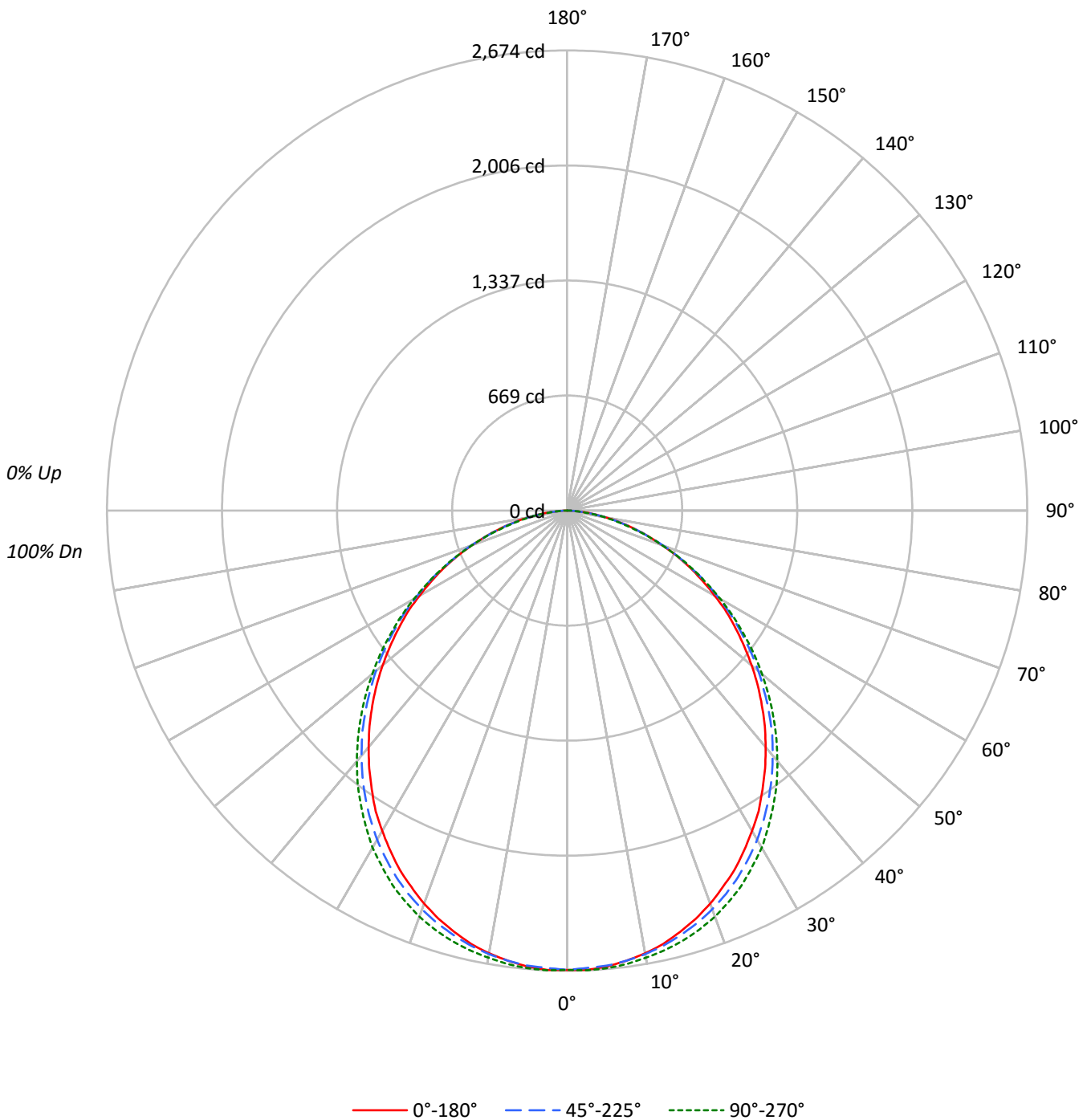
Input Watts (W): 54.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3591	3591	3591
5°	3592	3586	3605
10°	3569	3576	3605
15°	3530	3556	3606
20°	3480	3531	3595
25°	3418	3489	3566
30°	3339	3431	3515
35°	3250	3355	3433
40°	3152	3264	3338
45°	3045	3158	3225
50°	2930	3039	3093
55°	2806	2895	2939
60°	2666	2736	2767
65°	2514	2551	2567
70°	2306	2334	2306
75°	2077	2065	2003
80°	1759	1740	1685
85°	1314	1277	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.7	3.6
10°-20°	721.9	10.3
20°-30°	1082.4	15.4
30°-40°	1274.7	18.2
40°-50°	1274.9	18.2
50°-60°	1100.0	15.7
60°-70°	791.5	11.3
70°-80°	419.8	6.0
80°-90°	100.1	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°	2057.0	29.3
0°-40°	3331.6	47.5
0°-60°	5706.5	81.3
0°-90°	7018.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2669	2669	2669	2669	2669	
5°	2660	2657	2655	2664	2669	252
15°	2534	2541	2553	2579	2589	715
25°	2303	2317	2350	2390	2402	1059
35°	1979	2002	2043	2078	2090	1238
45°	1600	1622	1660	1688	1695	1235
55°	1196	1208	1234	1255	1253	1071
65°	790	792	801	806	806	781
75°	400	395	397	388	385	425
85°	85	85	83	76	73	103
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2669.1	2669.1	2669.1	2669.1	2669.1
2.5°	2671.4	2666.7	2659.6	2669.1	2673.8
5°	2659.6	2657.3	2654.9	2664.3	2669.1
7.5°	2638.3	2640.7	2638.3	2652.5	2657.3
10°	2612.3	2614.7	2617.1	2633.6	2638.3
12.5°	2579.2	2581.6	2588.7	2610.0	2617.1
15°	2534.3	2541.4	2553.2	2579.2	2588.7
17.5°	2487.0	2496.5	2513.0	2543.8	2553.2
20°	2430.3	2442.1	2465.8	2498.9	2510.7
22.5°	2366.5	2378.3	2411.4	2446.8	2458.7
25°	2302.6	2316.8	2349.9	2390.1	2401.9
27.5°	2227.0	2245.9	2281.4	2321.6	2331.0
30°	2149.0	2165.5	2208.1	2245.9	2262.4
32.5°	2071.0	2087.5	2127.7	2165.5	2177.3
35°	1978.8	2002.4	2042.6	2078.0	2089.9
37.5°	1888.9	1910.2	1952.8	1988.2	2000.0
40°	1794.4	1813.3	1858.2	1891.3	1900.7
42.5°	1699.8	1718.7	1763.6	1789.6	1799.1
45°	1600.5	1621.8	1659.6	1688.0	1695.1
47.5°	1501.2	1517.8	1553.2	1579.2	1588.7
50°	1399.6	1416.1	1451.6	1472.8	1477.6
52.5°	1297.9	1309.7	1342.8	1361.7	1368.8
55°	1196.2	1208.1	1234.1	1255.3	1253.0
57.5°	1099.3	1104.0	1130.0	1144.2	1144.2
60°	990.6	995.3	1016.6	1026.0	1028.4
62.5°	888.9	896.0	912.5	914.9	914.9
65°	789.6	792.0	801.4	806.2	806.2
67.5°	690.3	688.0	697.4	697.4	695.0
70°	586.3	591.0	593.4	588.7	586.3
72.5°	491.7	489.4	489.4	487.0	487.0
75°	399.5	394.8	397.2	387.7	385.3
77.5°	314.4	307.3	305.0	300.2	295.5
80°	227.0	227.0	224.6	219.9	217.5
82.5°	151.3	151.3	148.9	144.2	139.5
85°	85.1	85.1	82.7	75.7	73.3
87.5°	28.4	28.4	28.4	28.4	28.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)