

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: P297537

Luminaire Tested: **D3X-WO-74L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297537
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6978.0 lumens
Efficiency: N/A
Efficacy: 123.3 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

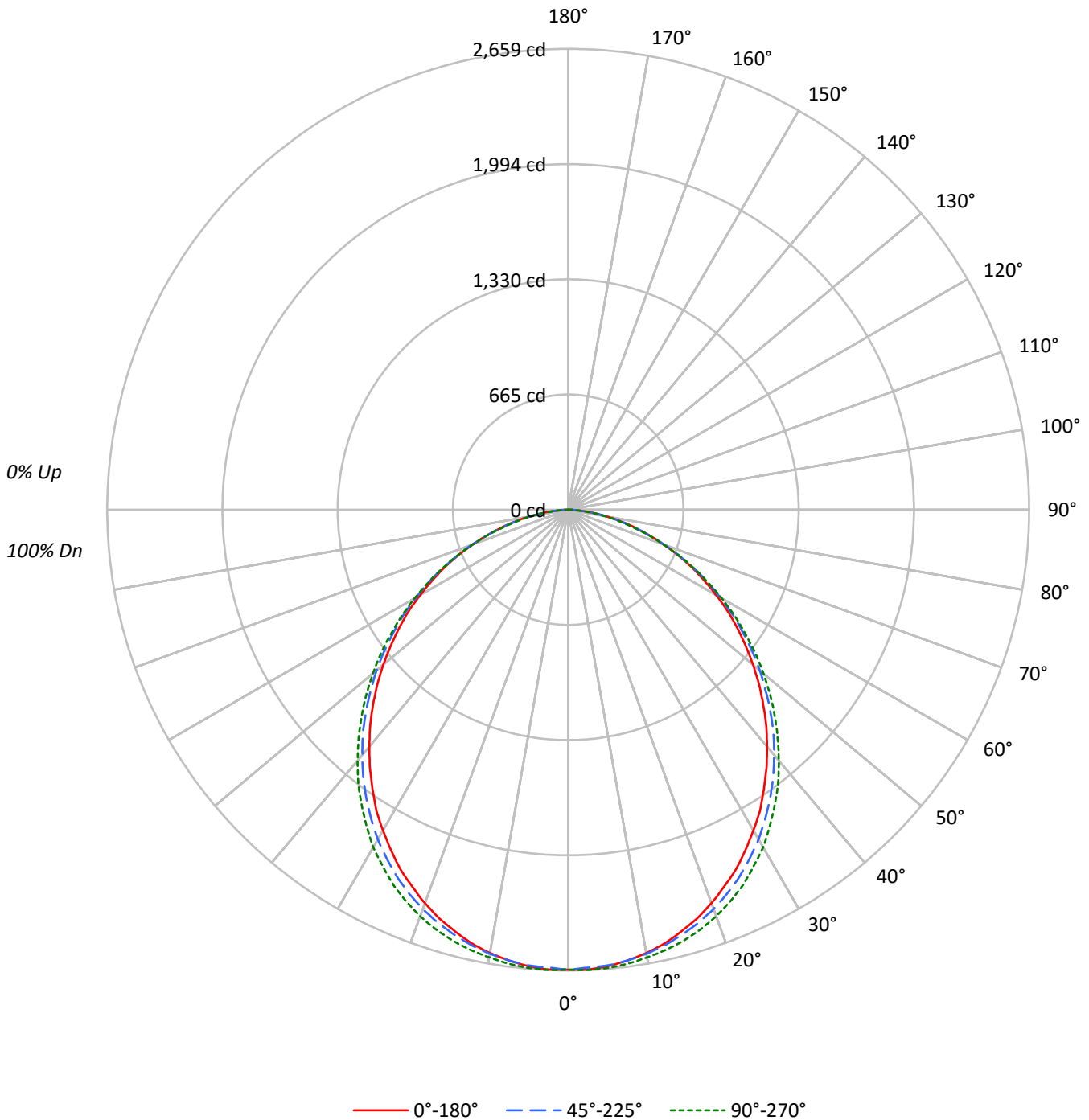
Input Watts (W): 56.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3571	3571	3571
5°	3572	3565	3584
10°	3549	3555	3584
15°	3510	3536	3585
20°	3460	3510	3574
25°	3399	3469	3545
30°	3320	3411	3495
35°	3232	3336	3413
40°	3134	3245	3319
45°	3028	3140	3207
50°	2913	3021	3075
55°	2790	2878	2922
60°	2650	2720	2752
65°	2500	2537	2552
70°	2293	2321	2293
75°	2065	2053	1992
80°	1749	1730	1676
85°	1306	1271	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.3	3.6
10°-20°	717.8	10.3
20°-30°	1076.2	15.4
30°-40°	1267.4	18.2
40°-50°	1267.6	18.2
50°-60°	1093.7	15.7
60°-70°	787.0	11.3
70°-80°	417.5	6.0
80°-90°	99.6	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°	2045.2	29.3
0°-40°	3312.6	47.5
0°-60°	5674.0	81.3
0°-90°	6978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2654	2654	2654	2654	2654	
5°	2644	2642	2640	2649	2654	251
15°	2520	2527	2539	2564	2574	711
25°	2290	2304	2336	2376	2388	1053
35°	1968	1991	2031	2066	2078	1231
45°	1591	1612	1650	1678	1685	1228
55°	1189	1201	1227	1248	1246	1064
65°	785	788	797	802	802	776
75°	397	393	395	386	383	423
85°	85	85	82	75	73	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2653.9	2653.9	2653.9	2653.9	2653.9
2.5°	2656.2	2651.5	2644.5	2653.9	2658.6
5°	2644.5	2642.1	2639.8	2649.2	2653.9
7.5°	2623.3	2625.7	2623.3	2637.4	2642.1
10°	2597.4	2599.8	2602.1	2618.6	2623.3
12.5°	2564.5	2566.9	2573.9	2595.1	2602.1
15°	2519.9	2526.9	2538.7	2564.5	2573.9
17.5°	2472.9	2482.3	2498.7	2529.3	2538.7
20°	2416.4	2428.2	2451.7	2484.6	2496.4
22.5°	2353.0	2364.7	2397.6	2432.9	2444.7
25°	2289.5	2303.6	2336.5	2376.5	2388.2
27.5°	2214.3	2233.1	2268.4	2308.3	2317.7
30°	2136.7	2153.2	2195.5	2233.1	2249.6
32.5°	2059.2	2075.6	2115.6	2153.2	2164.9
35°	1967.5	1991.0	2030.9	2066.2	2078.0
37.5°	1878.2	1899.3	1941.6	1976.9	1988.6
40°	1784.1	1802.9	1847.6	1880.5	1889.9
42.5°	1690.1	1708.9	1753.6	1779.4	1788.8
45°	1591.4	1612.5	1650.1	1678.4	1685.4
47.5°	1492.7	1509.1	1544.4	1570.2	1579.6
50°	1391.6	1408.0	1443.3	1464.4	1469.1
52.5°	1290.5	1302.2	1335.2	1354.0	1361.0
55°	1189.4	1201.2	1227.0	1248.2	1245.8
57.5°	1093.0	1097.7	1123.6	1137.7	1137.7
60°	984.9	989.6	1010.8	1020.2	1022.5
62.5°	883.8	890.9	907.3	909.7	909.7
65°	785.1	787.5	796.9	801.6	801.6
67.5°	686.4	684.0	693.4	693.4	691.1
70°	583.0	587.7	590.0	585.3	583.0
72.5°	488.9	486.6	486.6	484.2	484.2
75°	397.3	392.6	394.9	385.5	383.2
77.5°	312.6	305.6	303.2	298.5	293.8
80°	225.7	225.7	223.3	218.6	216.3
82.5°	150.4	150.4	148.1	143.4	138.7
85°	84.6	84.6	82.3	75.2	72.9
87.5°	28.2	28.2	28.2	28.2	28.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)