

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: P297391

Luminaire Tested: **D3X-WO-74L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297391
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-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6822.0 lumens
Efficiency: N/A
Efficacy: 123.8 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

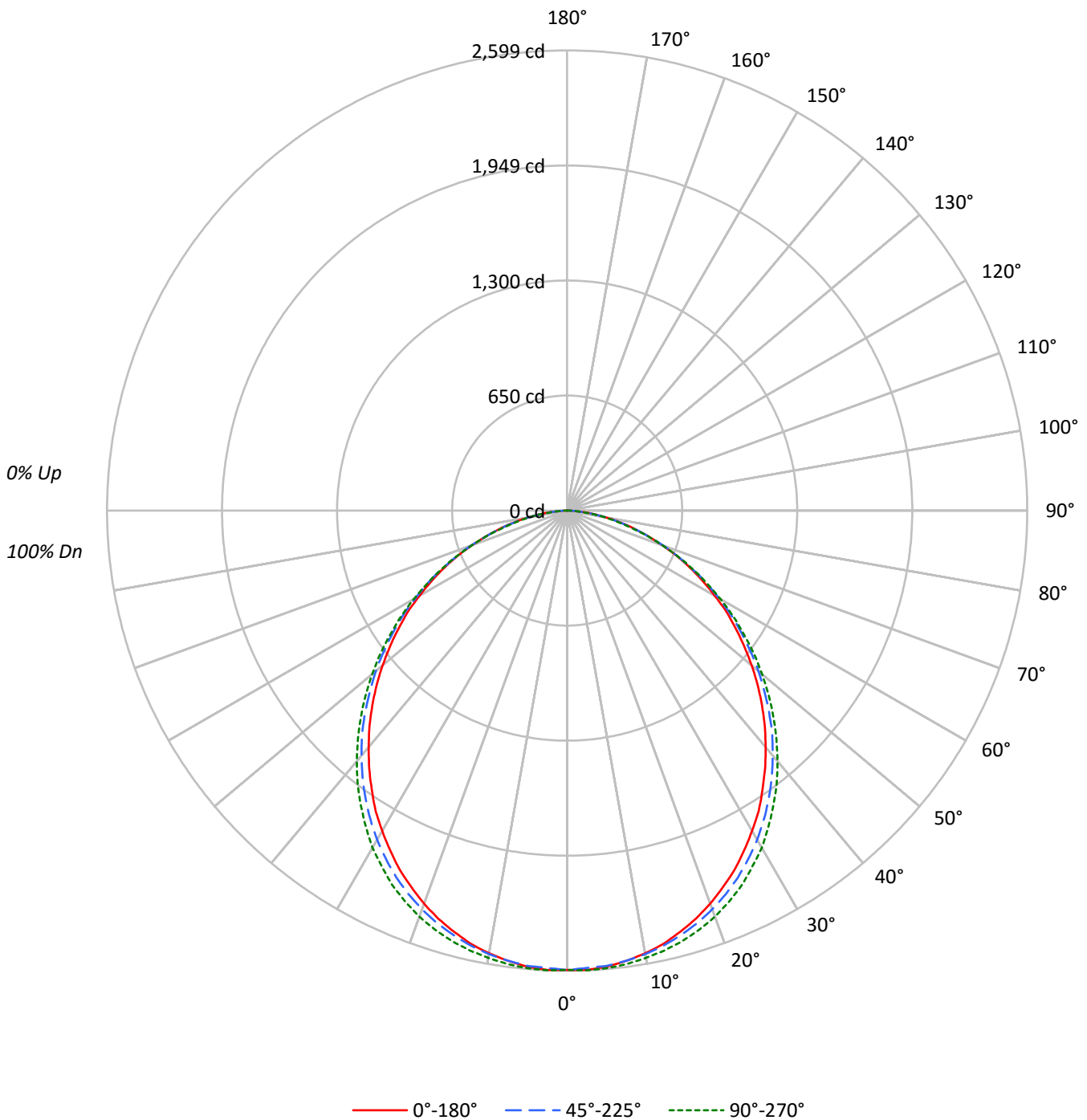
Input Watts (W): 55.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3491	3491	3491
5°	3492	3486	3504
10°	3469	3476	3504
15°	3432	3457	3505
20°	3383	3432	3495
25°	3323	3391	3466
30°	3246	3335	3417
35°	3159	3261	3337
40°	3064	3173	3245
45°	2960	3070	3135
50°	2848	2954	3006
55°	2728	2814	2857
60°	2591	2659	2690
65°	2444	2480	2495
70°	2242	2269	2242
75°	2019	2007	1947
80°	1709	1691	1638
85°	1277	1241	1099



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.6	3.6
10°-20°	701.7	10.3
20°-30°	1052.1	15.4
30°-40°	1239.1	18.2
40°-50°	1239.3	18.2
50°-60°	1069.3	15.7
60°-70°	769.4	11.3
70°-80°	408.1	6.0
80°-90°	97.3	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°	1999.5	29.3
0°-40°	3238.6	47.5
0°-60°	5547.1	81.3
0°-90°	6822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2594	2594	2594	2594	2594	
5°	2585	2583	2581	2590	2594	245
15°	2464	2470	2482	2507	2516	695
25°	2238	2252	2284	2323	2335	1030
35°	1924	1946	1986	2020	2032	1203
45°	1556	1576	1613	1641	1648	1200
55°	1163	1174	1200	1220	1218	1041
65°	768	770	779	784	784	759
75°	388	384	386	377	375	413
85°	83	83	80	74	71	100
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2594.5	2594.5	2594.5	2594.5	2594.5
2.5°	2596.8	2592.2	2585.3	2594.5	2599.1
5°	2585.3	2583.0	2580.7	2589.9	2594.5
7.5°	2564.7	2567.0	2564.7	2578.4	2583.0
10°	2539.4	2541.7	2544.0	2560.1	2564.7
12.5°	2507.2	2509.5	2516.4	2537.1	2544.0
15°	2463.5	2470.4	2481.9	2507.2	2516.4
17.5°	2417.6	2426.8	2442.9	2472.7	2481.9
20°	2362.4	2373.9	2396.9	2429.1	2440.6
22.5°	2300.4	2311.9	2344.0	2378.5	2390.0
25°	2238.3	2252.1	2284.3	2323.4	2334.8
27.5°	2164.8	2183.2	2217.6	2256.7	2265.9
30°	2089.0	2105.0	2146.4	2183.2	2199.3
32.5°	2013.1	2029.2	2068.3	2105.0	2116.5
35°	1923.5	1946.5	1985.5	2020.0	2031.5
37.5°	1836.2	1856.8	1898.2	1932.7	1944.2
40°	1744.2	1762.6	1806.3	1838.5	1847.7
42.5°	1652.3	1670.7	1714.4	1739.6	1748.8
45°	1555.8	1576.5	1613.3	1640.8	1647.7
47.5°	1459.3	1475.4	1509.8	1535.1	1544.3
50°	1360.5	1376.6	1411.0	1431.7	1436.3
52.5°	1261.6	1273.1	1305.3	1323.7	1330.6
55°	1162.8	1174.3	1199.6	1220.3	1218.0
57.5°	1068.6	1073.2	1098.5	1112.3	1112.3
60°	962.9	967.5	988.2	997.4	999.7
62.5°	864.1	871.0	887.1	889.4	889.4
65°	767.6	769.9	779.0	783.6	783.6
67.5°	671.0	668.7	677.9	677.9	675.6
70°	569.9	574.5	576.8	572.2	569.9
72.5°	478.0	475.7	475.7	473.4	473.4
75°	388.4	383.8	386.1	376.9	374.6
77.5°	305.6	298.8	296.5	291.9	287.3
80°	220.6	220.6	218.3	213.7	211.4
82.5°	147.1	147.1	144.8	140.2	135.6
85°	82.7	82.7	80.4	73.5	71.2
87.5°	27.6	27.6	27.6	27.6	27.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)