

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: P297397

Luminaire Tested: **D3X-WO-74L82765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297397
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7730.0 lumens
Efficiency: N/A
Efficacy: 136.6 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

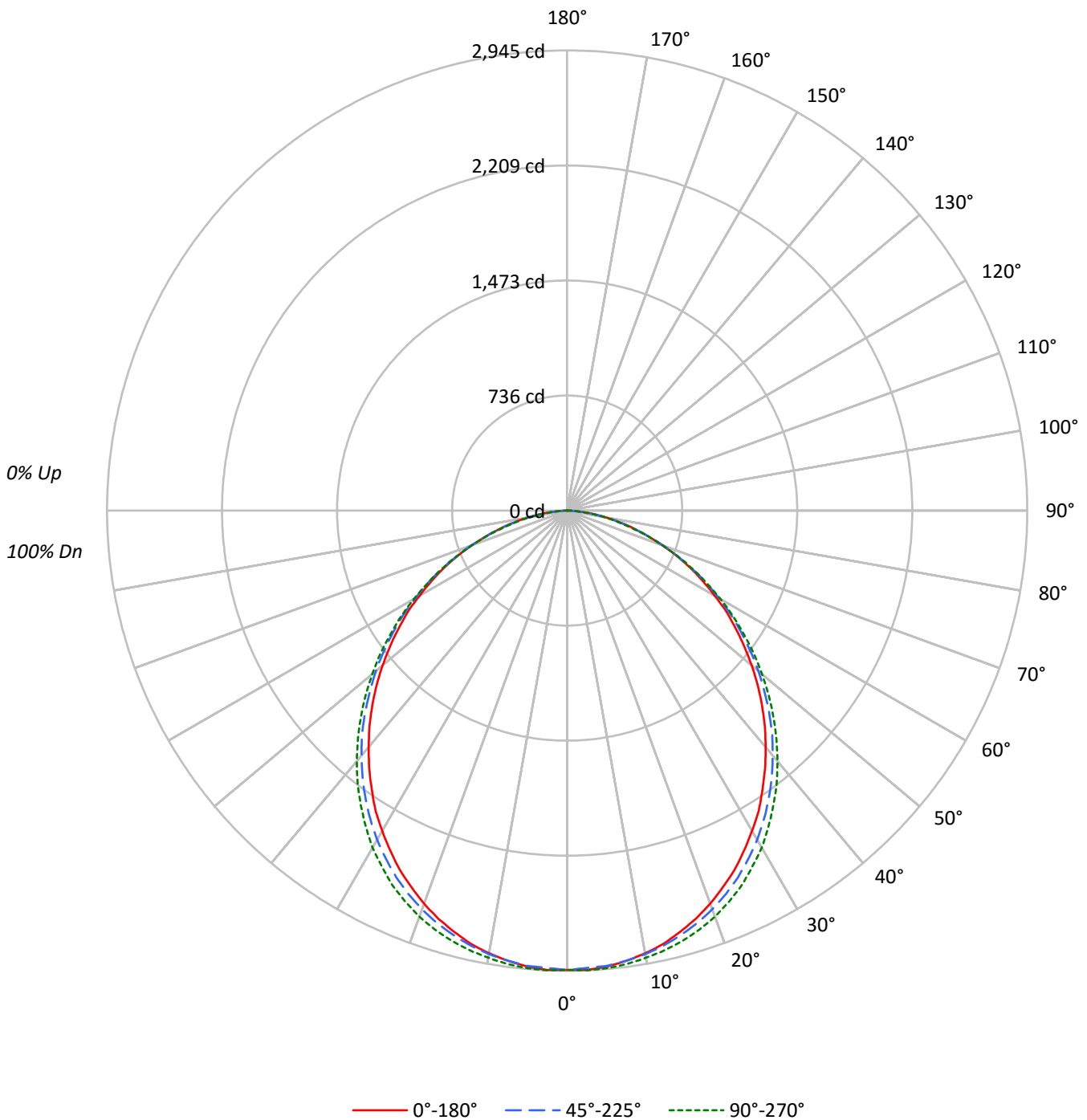
Input Watts (W): 56.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3956	3956	3956
5°	3957	3950	3971
10°	3931	3938	3970
15°	3888	3917	3972
20°	3833	3889	3960
25°	3765	3843	3928
30°	3677	3779	3872
35°	3580	3695	3781
40°	3471	3595	3677
45°	3354	3478	3553
50°	3227	3347	3407
55°	3091	3189	3237
60°	2936	3013	3048
65°	2769	2810	2827
70°	2541	2571	2541
75°	2288	2274	2206
80°	1937	1917	1857
85°	1447	1406	1246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.3	3.6
10°-20°	795.1	10.3
20°-30°	1192.2	15.4
30°-40°	1404.0	18.2
40°-50°	1404.2	18.2
50°-60°	1211.6	15.7
60°-70°	871.8	11.3
70°-80°	462.4	6.0
80°-90°	110.3	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°	2265.7	29.3
0°-40°	3669.6	47.5
0°-60°	6285.5	81.3
0°-90°	7730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7730.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2940	2940	2940	2940	2940	
5°	2929	2927	2924	2935	2940	278
15°	2791	2799	2812	2841	2851	787
25°	2536	2552	2588	2633	2646	1167
35°	2180	2206	2250	2289	2302	1364
45°	1763	1786	1828	1859	1867	1360
55°	1318	1331	1359	1383	1380	1179
65°	870	872	883	888	888	860
75°	440	435	438	427	424	468
85°	94	94	91	83	81	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2939.9	2939.9	2939.9	2939.9	2939.9
2.5°	2942.5	2937.3	2929.4	2939.9	2945.1
5°	2929.4	2926.8	2924.2	2934.7	2939.9
7.5°	2906.0	2908.6	2906.0	2921.6	2926.8
10°	2877.4	2880.0	2882.6	2900.8	2906.0
12.5°	2840.9	2843.5	2851.3	2874.8	2882.6
15°	2791.4	2799.2	2812.3	2840.9	2851.3
17.5°	2739.4	2749.8	2768.0	2801.9	2812.3
20°	2676.9	2689.9	2715.9	2752.4	2765.4
22.5°	2606.6	2619.6	2656.0	2695.1	2708.1
25°	2536.2	2551.9	2588.3	2632.6	2645.6
27.5°	2452.9	2473.8	2512.8	2557.1	2567.5
30°	2367.0	2385.2	2432.1	2473.8	2492.0
32.5°	2281.1	2299.3	2343.6	2385.2	2398.2
35°	2179.5	2205.5	2249.8	2288.9	2301.9
37.5°	2080.6	2104.0	2150.9	2189.9	2202.9
40°	1976.4	1997.2	2046.7	2083.2	2093.6
42.5°	1872.2	1893.1	1942.5	1971.2	1981.6
45°	1762.9	1786.3	1828.0	1859.2	1867.0
47.5°	1653.5	1671.7	1710.8	1739.4	1749.9
50°	1541.5	1559.8	1598.8	1622.3	1627.5
52.5°	1429.6	1442.6	1479.0	1499.9	1507.7
55°	1317.6	1330.6	1359.3	1382.7	1380.1
57.5°	1210.8	1216.0	1244.7	1260.3	1260.3
60°	1091.1	1096.3	1119.7	1130.1	1132.7
62.5°	979.1	986.9	1005.1	1007.7	1007.7
65°	869.7	872.3	882.7	887.9	887.9
67.5°	760.4	757.8	768.2	768.2	765.6
70°	645.8	651.0	653.6	648.4	645.8
72.5°	541.6	539.0	539.0	536.4	536.4
75°	440.1	434.9	437.5	427.0	424.4
77.5°	346.3	338.5	335.9	330.7	325.5
80°	250.0	250.0	247.4	242.2	239.6
82.5°	166.7	166.7	164.0	158.8	153.6
85°	93.7	93.7	91.1	83.3	80.7
87.5°	31.2	31.2	31.2	31.2	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)