

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: P297396

Luminaire Tested: **D3X-WO-74L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297396
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7654.0 lumens
Efficiency: N/A
Efficacy: 135.7 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

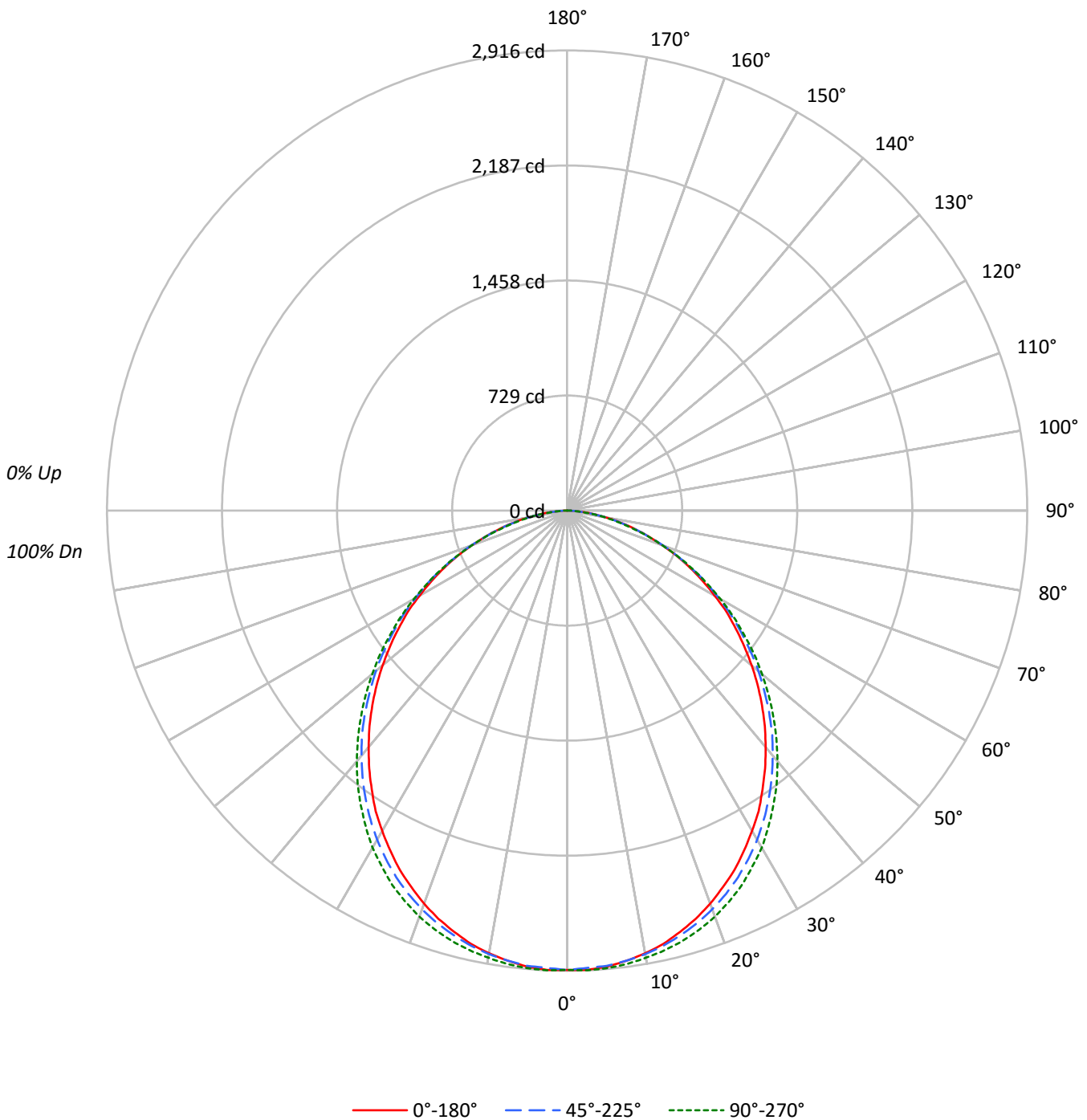
Input Watts (W): 56.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3917	3917	3917
5°	3918	3911	3932
10°	3893	3900	3931
15°	3850	3879	3933
20°	3795	3851	3921
25°	3728	3805	3889
30°	3641	3741	3834
35°	3545	3659	3744
40°	3437	3560	3641
45°	3321	3444	3518
50°	3195	3314	3373
55°	3060	3157	3206
60°	2907	2983	3018
65°	2742	2783	2799
70°	2515	2546	2515
75°	2265	2252	2185
80°	1918	1898	1838
85°	1433	1392	1233



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.6	3.6
10°-20°	787.3	10.3
20°-30°	1180.5	15.4
30°-40°	1390.2	18.2
40°-50°	1390.4	18.2
50°-60°	1199.7	15.7
60°-70°	863.2	11.3
70°-80°	457.9	6.0
80°-90°	109.2	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°	2243.4	29.3
0°-40°	3633.6	47.5
0°-60°	6223.6	81.3
0°-90°	7654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2911	2911	2911	2911	2911	
5°	2901	2898	2896	2906	2911	275
15°	2764	2772	2785	2813	2823	779
25°	2511	2527	2563	2607	2620	1155
35°	2158	2184	2228	2266	2279	1350
45°	1746	1769	1810	1841	1849	1347
55°	1305	1318	1346	1369	1366	1168
65°	861	864	874	879	879	852
75°	436	431	433	423	420	464
85°	93	93	90	82	80	112
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2911.0	2911.0	2911.0	2911.0	2911.0
2.5°	2913.5	2908.4	2900.6	2911.0	2916.1
5°	2900.6	2898.1	2895.5	2905.8	2911.0
7.5°	2877.4	2880.0	2877.4	2892.9	2898.1
10°	2849.1	2851.7	2854.2	2872.3	2877.4
12.5°	2813.0	2815.6	2823.3	2846.5	2854.2
15°	2764.0	2771.7	2784.6	2813.0	2823.3
17.5°	2712.4	2722.7	2740.8	2774.3	2784.6
20°	2650.5	2663.4	2689.2	2725.3	2738.2
22.5°	2580.9	2593.8	2629.9	2668.6	2681.5
25°	2511.3	2526.8	2562.9	2606.7	2619.6
27.5°	2428.8	2449.4	2488.1	2531.9	2542.3
30°	2343.7	2361.8	2408.2	2449.4	2467.5
32.5°	2258.6	2276.7	2320.5	2361.8	2374.7
35°	2158.1	2183.9	2227.7	2266.4	2279.3
37.5°	2060.1	2083.3	2129.7	2168.4	2181.3
40°	1957.0	1977.6	2026.6	2062.7	2073.0
42.5°	1853.8	1874.5	1923.4	1951.8	1962.1
45°	1745.5	1768.7	1810.0	1840.9	1848.7
47.5°	1637.3	1655.3	1694.0	1722.3	1732.7
50°	1526.4	1544.4	1583.1	1606.3	1611.5
52.5°	1415.5	1428.4	1464.5	1485.1	1492.9
55°	1304.6	1317.5	1345.9	1369.1	1366.5
57.5°	1198.9	1204.1	1232.5	1247.9	1247.9
60°	1080.3	1085.5	1108.7	1119.0	1121.6
62.5°	969.5	977.2	995.2	997.8	997.8
65°	861.2	863.7	874.1	879.2	879.2
67.5°	752.9	750.3	760.6	760.6	758.0
70°	639.4	644.6	647.2	642.0	639.4
72.5°	536.3	533.7	533.7	531.1	531.1
75°	435.7	430.6	433.2	422.8	420.3
77.5°	342.9	335.2	332.6	327.5	322.3
80°	247.5	247.5	244.9	239.8	237.2
82.5°	165.0	165.0	162.4	157.3	152.1
85°	92.8	92.8	90.2	82.5	79.9
87.5°	30.9	30.9	30.9	30.9	30.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)