

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: P297548

Luminaire Tested: **D3X-WO-80L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297548  
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-80L92765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7652.0 lumens  
Efficiency: N/A  
Efficacy: 120.3 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

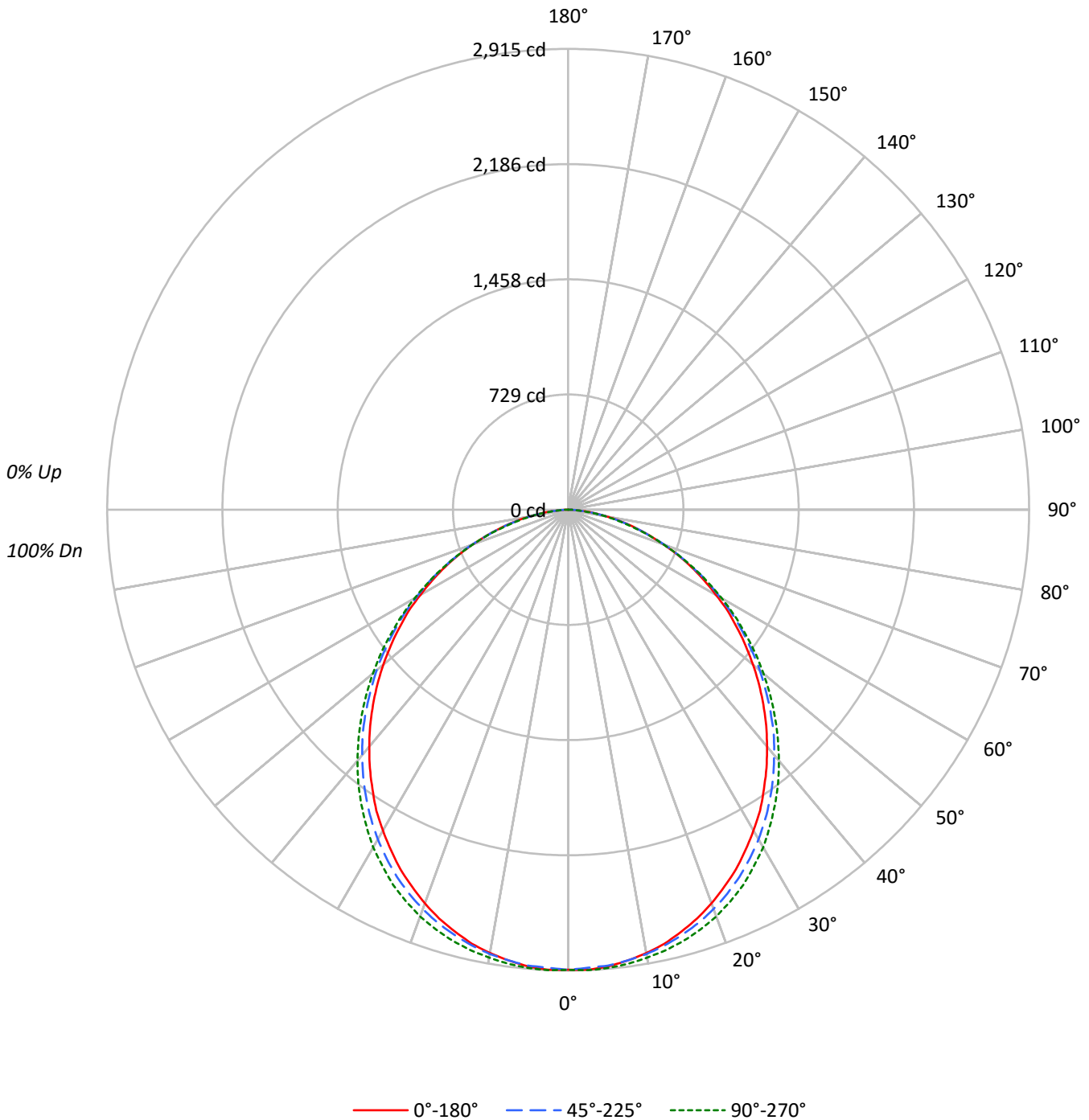
Input Watts (W): 63.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3916	3916	3916
5°	3917	3910	3931
10°	3891	3899	3930
15°	3849	3878	3932
20°	3794	3850	3920
25°	3727	3804	3888
30°	3640	3741	3833
35°	3544	3658	3743
40°	3436	3559	3640
45°	3321	3443	3517
50°	3194	3313	3372
55°	3060	3156	3205
60°	2906	2983	3017
65°	2741	2782	2798
70°	2515	2545	2515
75°	2264	2251	2184
80°	1918	1898	1837
85°	1433	1392	1233



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.5	3.6
10°-20°	787.1	10.3
20°-30°	1180.2	15.4
30°-40°	1389.8	18.2
40°-50°	1390.0	18.2
50°-60°	1199.4	15.7
60°-70°	863.0	11.3
70°-80°	457.8	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°	2242.8	29.3
0°-40°	3632.6	47.5
0°-60°	6222.0	81.3
0°-90°	7652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7652.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2910	2910	2910	2910	2910	
5°	2900	2897	2895	2905	2910	275
15°	2763	2771	2784	2812	2823	779
25°	2511	2526	2562	2606	2619	1155
35°	2158	2183	2227	2266	2279	1350
45°	1745	1768	1810	1840	1848	1346
55°	1304	1317	1346	1369	1366	1167
65°	861	864	874	879	879	851
75°	436	430	433	423	420	463
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°	2910.2	2910.2	2910.2	2910.2	2910.2
2.5°	2912.8	2907.6	2899.9	2910.2	2915.4
5°	2899.9	2897.3	2894.7	2905.0	2910.2
7.5°	2876.7	2879.3	2876.7	2892.2	2897.3
10°	2848.3	2850.9	2853.5	2871.5	2876.7
12.5°	2812.2	2814.8	2822.6	2845.8	2853.5
15°	2763.3	2771.0	2783.9	2812.2	2822.6
17.5°	2711.7	2722.0	2740.1	2773.6	2783.9
20°	2649.9	2662.7	2688.5	2724.6	2737.5
22.5°	2580.3	2593.1	2629.2	2667.9	2680.8
25°	2510.7	2526.1	2562.2	2606.0	2618.9
27.5°	2428.2	2448.8	2487.5	2531.3	2541.6
30°	2343.1	2361.2	2407.6	2448.8	2466.8
32.5°	2258.0	2276.1	2319.9	2361.2	2374.0
35°	2157.5	2183.3	2227.1	2265.8	2278.7
37.5°	2059.6	2082.8	2129.2	2167.8	2180.7
40°	1956.5	1977.1	2026.1	2062.1	2072.5
42.5°	1853.3	1874.0	1922.9	1951.3	1961.6
45°	1745.1	1768.3	1809.5	1840.5	1848.2
47.5°	1636.8	1654.9	1693.5	1721.9	1732.2
50°	1526.0	1544.0	1582.7	1605.9	1611.0
52.5°	1415.1	1428.0	1464.1	1484.7	1492.5
55°	1304.3	1317.2	1345.5	1368.7	1366.2
57.5°	1198.6	1203.8	1232.1	1247.6	1247.6
60°	1080.0	1085.2	1108.4	1118.7	1121.3
62.5°	969.2	976.9	995.0	997.6	997.6
65°	860.9	863.5	873.8	879.0	879.0
67.5°	752.7	750.1	760.4	760.4	757.8
70°	639.3	644.4	647.0	641.8	639.3
72.5°	536.2	533.6	533.6	531.0	531.0
75°	435.6	430.5	433.0	422.7	420.2
77.5°	342.8	335.1	332.5	327.4	322.2
80°	247.5	247.5	244.9	239.7	237.1
82.5°	165.0	165.0	162.4	157.2	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)