

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: P296983

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296983  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-80L92765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6685.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

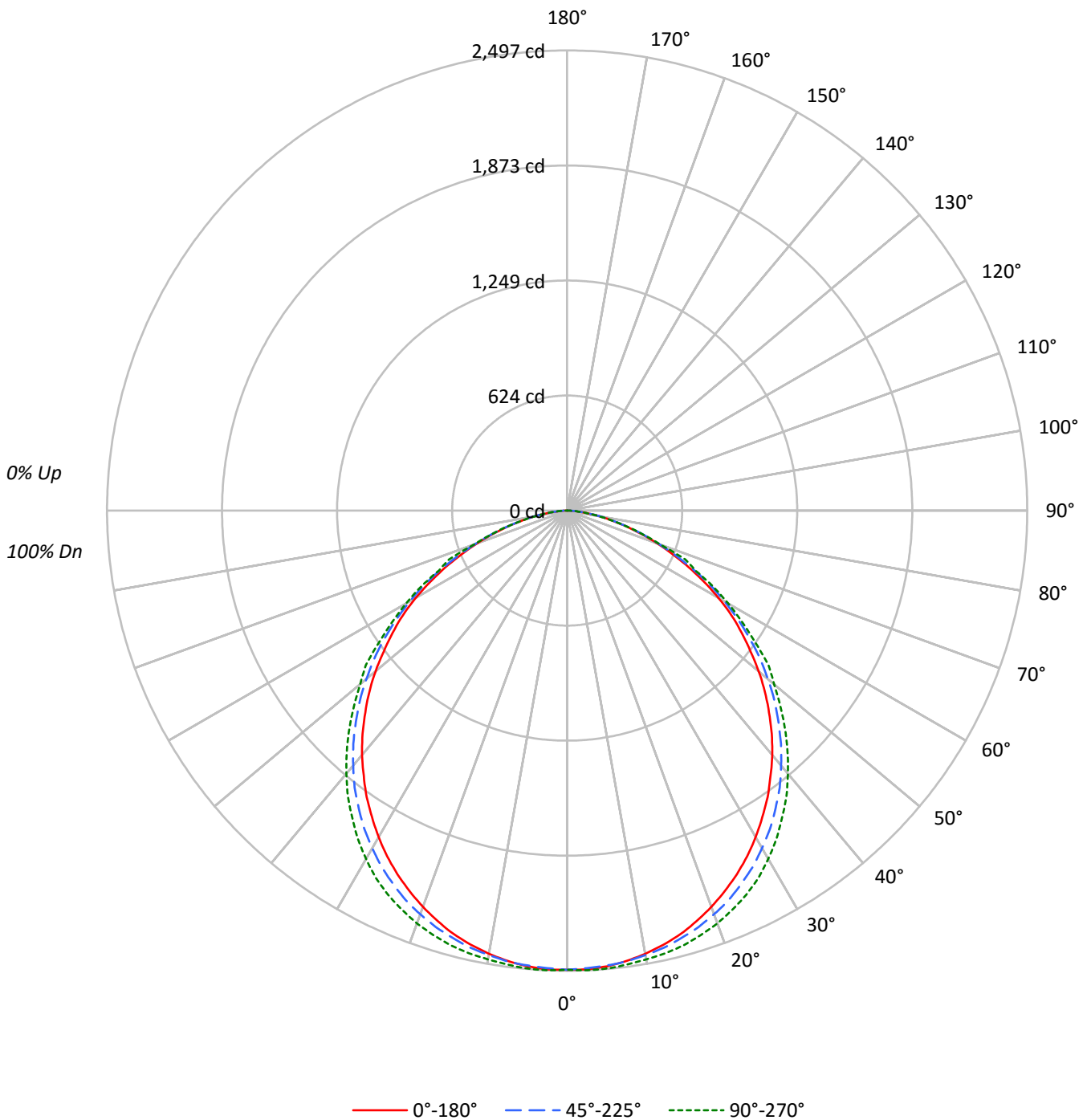
Input Watts (W): 61.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	3353	3353	3353
5°	3353	3346	3369
10°	3336	3346	3379
15°	3314	3344	3401
20°	3276	3338	3414
25°	3233	3319	3415
30°	3179	3287	3391
35°	3116	3238	3341
40°	3042	3172	3273
45°	2948	3085	3181
50°	2842	2977	3068
55°	2712	2836	2920
60°	2556	2653	2717
65°	2322	2398	2443
70°	2038	2085	2114
75°	1721	1746	1758
80°	1375	1394	1357
85°	926	963	926



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	236.2	3.5
10°-20°	679.2	10.2
20°-30°	1030.5	15.4
30°-40°	1230.3	18.4
40°-50°	1245.6	18.6
50°-60°	1076.6	16.1
60°-70°	746.2	11.2
70°-80°	361.0	5.4
80°-90°	79.4	1.2
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°	1945.9	29.1
0°-40°	3176.2	47.5
0°-60°	5498.4	82.2
0°-90°	6685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6685.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2492	2492	2492	2492	2492	
5°	2482	2480	2478	2490	2494	236
15°	2379	2384	2401	2430	2442	671
25°	2178	2192	2236	2281	2300	1003
35°	1897	1914	1972	2022	2034	1185
45°	1550	1571	1621	1662	1672	1195
55°	1156	1168	1209	1259	1245	1033
65°	729	736	753	765	768	722
75°	331	333	336	333	338	355
85°	60	65	62	60	60	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2492.1	2492.1	2492.1	2492.1	2492.1
2.5°	2492.1	2489.7	2484.9	2492.1	2496.9
5°	2482.5	2480.1	2477.7	2489.7	2494.5
7.5°	2465.7	2465.7	2468.1	2480.1	2484.9
10°	2441.8	2444.1	2448.9	2468.1	2472.9
12.5°	2413.0	2417.8	2429.8	2451.3	2460.9
15°	2379.4	2384.2	2401.0	2429.8	2441.8
17.5°	2336.2	2345.8	2369.8	2403.4	2415.4
20°	2288.2	2300.2	2331.4	2369.8	2384.2
22.5°	2235.5	2247.5	2288.2	2329.0	2343.4
25°	2177.9	2192.3	2235.5	2281.0	2300.2
27.5°	2115.5	2132.3	2180.3	2228.3	2247.5
30°	2046.0	2065.2	2115.5	2165.9	2182.7
32.5°	1971.6	1990.8	2048.4	2096.4	2113.1
35°	1897.3	1914.1	1971.6	2022.0	2034.0
37.5°	1813.3	1832.5	1894.9	1938.0	1954.8
40°	1731.8	1751.0	1806.1	1849.3	1863.7
42.5°	1643.0	1662.2	1717.4	1758.2	1770.1
45°	1549.5	1571.1	1621.4	1662.2	1671.8
47.5°	1455.9	1472.7	1525.5	1561.5	1568.7
50°	1357.6	1374.4	1422.4	1458.3	1465.5
52.5°	1254.5	1280.8	1319.2	1345.6	1376.8
55°	1156.1	1168.1	1208.9	1259.3	1244.9
57.5°	1057.8	1065.0	1098.5	1120.1	1124.9
60°	949.8	959.4	985.8	997.8	1009.8
62.5°	837.1	844.3	875.5	887.5	892.3
65°	729.2	736.4	753.2	765.1	767.5
67.5°	618.8	626.0	640.4	650.0	693.2
70°	518.1	522.9	530.1	549.3	537.3
72.5°	422.1	424.5	431.7	431.7	434.1
75°	331.0	333.4	335.8	333.4	338.2
77.5°	247.1	251.9	254.2	251.9	249.5
80°	177.5	182.3	179.9	175.1	175.1
82.5°	115.1	117.5	115.1	112.7	112.7
85°	60.0	64.8	62.4	60.0	60.0
87.5°	21.6	24.0	26.4	28.8	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)