

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: P297405

Luminaire Tested: **D3X-WO-80L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297405  
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-80L82765-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: 8302.0 lumens  
Efficiency: N/A  
Efficacy: 133.7 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

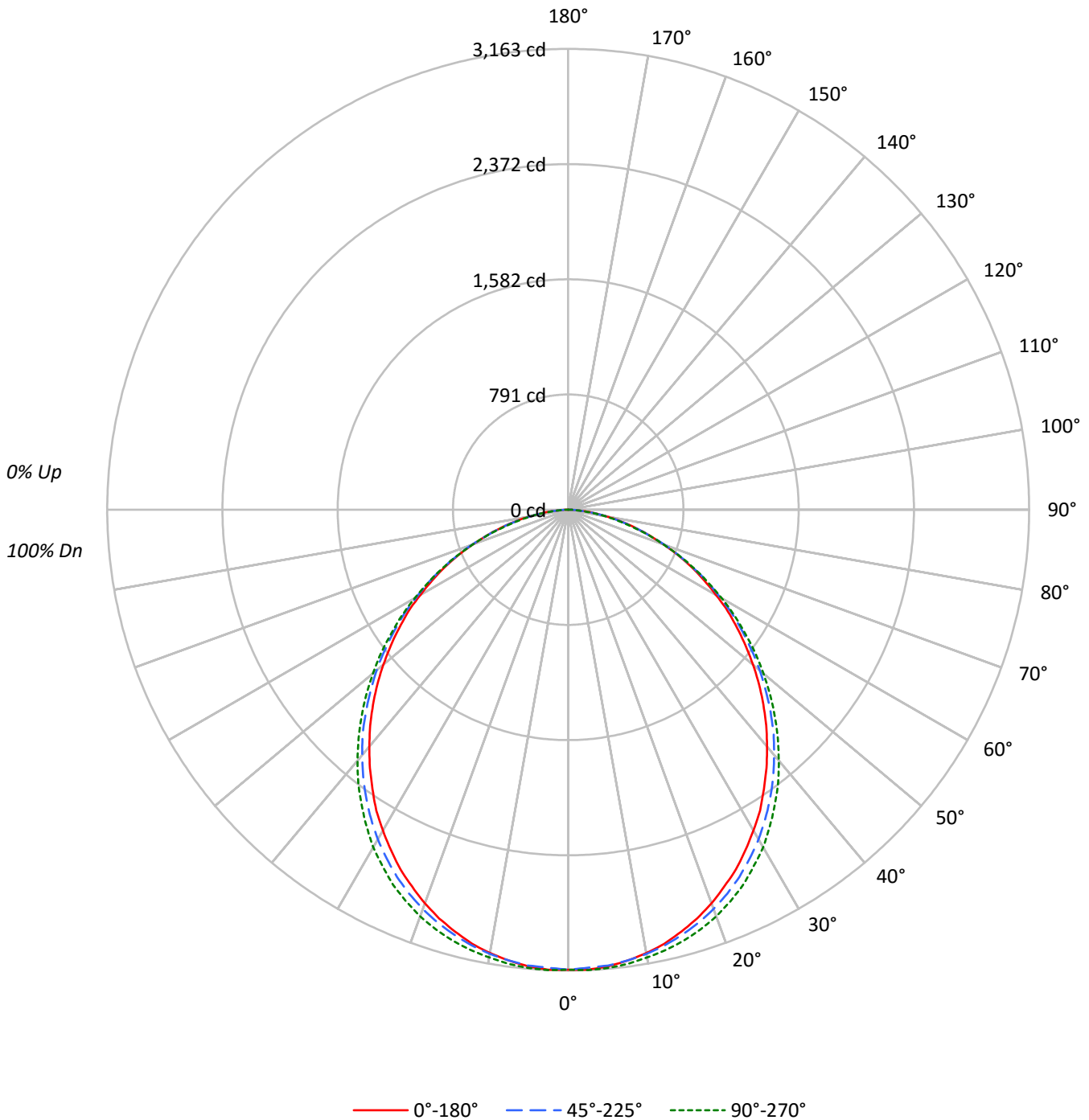
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4248	4248	4248
5°	4249	4242	4264
10°	4222	4230	4264
15°	4176	4207	4266
20°	4116	4177	4253
25°	4044	4127	4218
30°	3950	4058	4158
35°	3845	3969	4061
40°	3728	3861	3949
45°	3603	3736	3816
50°	3466	3594	3659
55°	3320	3424	3477
60°	3153	3236	3274
65°	2974	3018	3036
70°	2729	2762	2729
75°	2457	2442	2370
80°	2080	2059	1994
85°	1555	1511	1338



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	298.9	3.6
10°-20°	854.0	10.3
20°-30°	1280.4	15.4
30°-40°	1507.9	18.2
40°-50°	1508.1	18.2
50°-60°	1301.2	15.7
60°-70°	936.3	11.3
70°-80°	496.7	6.0
80°-90°	118.5	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°	2433.3	29.3
0°-40°	3941.2	47.5
0°-60°	6750.6	81.3
0°-90°	8302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8302.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3157	3157	3157	3157	3157	
5°	3146	3143	3141	3152	3157	298
15°	2998	3006	3020	3051	3062	845
25°	2724	2741	2780	2827	2841	1253
35°	2341	2369	2416	2458	2472	1464
45°	1893	1918	1963	1997	2005	1461
55°	1415	1429	1460	1485	1482	1266
65°	934	937	948	954	954	924
75°	473	467	470	459	456	503
85°	101	101	98	90	87	122
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3157.4	3157.4	3157.4	3157.4	3157.4
2.5°	3160.2	3154.6	3146.2	3157.4	3163.0
5°	3146.2	3143.4	3140.6	3151.8	3157.4
7.5°	3121.0	3123.8	3121.0	3137.8	3143.4
10°	3090.3	3093.1	3095.9	3115.5	3121.0
12.5°	3051.1	3053.9	3062.3	3087.5	3095.9
15°	2998.0	3006.4	3020.4	3051.1	3062.3
17.5°	2942.1	2953.2	2972.8	3009.2	3020.4
20°	2874.9	2888.9	2916.9	2956.0	2970.0
22.5°	2799.4	2813.4	2852.6	2894.5	2908.5
25°	2723.9	2740.7	2779.9	2827.4	2841.4
27.5°	2634.4	2656.8	2698.8	2746.3	2757.5
30°	2542.1	2561.7	2612.1	2656.8	2676.4
32.5°	2449.9	2469.4	2517.0	2561.7	2575.7
35°	2340.8	2368.8	2416.3	2458.2	2472.2
37.5°	2234.5	2259.7	2310.0	2352.0	2366.0
40°	2122.6	2145.0	2198.2	2237.3	2248.5
42.5°	2010.8	2033.2	2086.3	2117.1	2128.2
45°	1893.3	1918.5	1963.2	1996.8	2005.2
47.5°	1775.9	1795.4	1837.4	1868.2	1879.3
50°	1655.6	1675.2	1717.1	1742.3	1747.9
52.5°	1535.4	1549.3	1588.5	1610.9	1619.3
55°	1415.1	1429.1	1459.8	1485.0	1482.2
57.5°	1300.4	1306.0	1336.8	1353.6	1353.6
60°	1171.8	1177.4	1202.6	1213.7	1216.5
62.5°	1051.5	1059.9	1079.5	1082.3	1082.3
65°	934.1	936.9	948.1	953.7	953.7
67.5°	816.6	813.8	825.0	825.0	822.2
70°	693.6	699.2	702.0	696.4	693.6
72.5°	581.7	578.9	578.9	576.1	576.1
75°	472.6	467.0	469.8	458.6	455.9
77.5°	372.0	363.6	360.8	355.2	349.6
80°	268.5	268.5	265.7	260.1	257.3
82.5°	179.0	179.0	176.2	170.6	165.0
85°	100.7	100.7	97.9	89.5	86.7
87.5°	33.6	33.6	33.6	33.6	33.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)