

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: P297105

Luminaire Tested: **D3X-WG-67L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-67L82765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6286.0 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

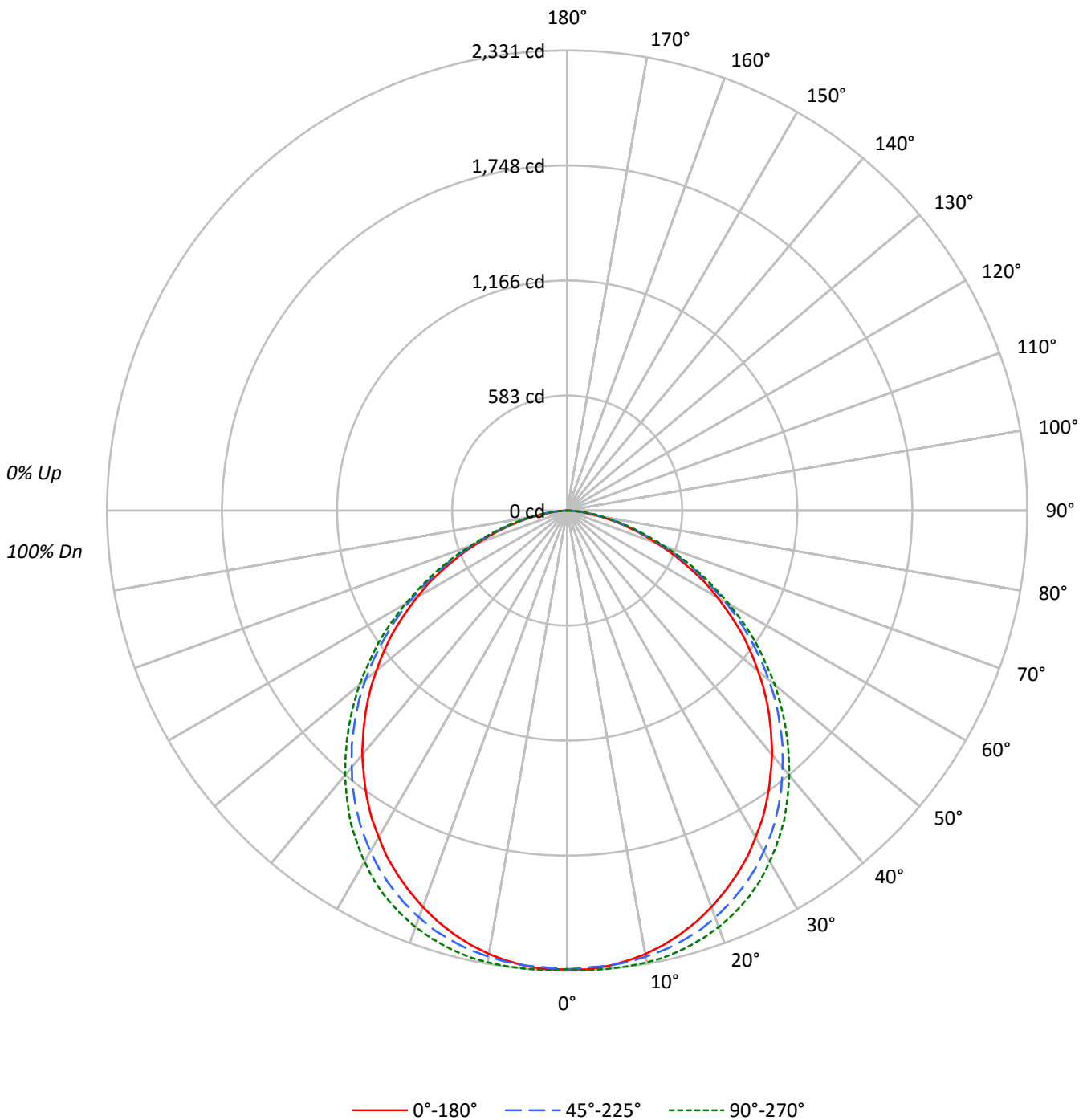
Input Watts (W): 49.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
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		47	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	27		38	32	27		37	31	27	26

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

	0°	45°	90°
0°	3127	3127	3127
5°	3129	3126	3148
10°	3116	3135	3175
15°	3093	3143	3199
20°	3060	3140	3214
25°	3019	3126	3216
30°	2967	3096	3191
35°	2907	3051	3147
40°	2836	2982	3073
45°	2747	2896	2982
50°	2640	2790	2875
55°	2525	2652	2736
60°	2363	2484	2545
65°	2158	2273	2330
70°	1896	1993	2046
75°	1604	1686	1744
80°	1274	1395	1430
85°	869	1044	1008



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	220.8	3.5
10°-20°	637.5	10.1
20°-30°	968.7	15.4
30°-40°	1155.9	18.4
40°-50°	1167.5	18.6
50°-60°	1005.9	16.0
60°-70°	701.2	11.2
70°-80°	347.5	5.5
80°-90°	81.0	1.3
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°	1827.0	29.1
0°-40°	2983.0	47.5
0°-60°	5156.3	82.0
0°-90°	6286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6286.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2324	2324	2324	2324	2324	
5°	2317	2315	2315	2326	2331	220
15°	2220	2232	2256	2286	2297	626
25°	2033	2060	2105	2148	2166	937
35°	1770	1799	1858	1900	1916	1106
45°	1443	1475	1522	1558	1567	1113
55°	1076	1099	1130	1157	1166	959
65°	678	691	714	721	732	673
75°	308	313	324	331	336	333
85°	56	68	68	63	65	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2323.8	2323.8	2323.8	2323.8	2323.8
2.5°	2326.1	2321.5	2317.0	2326.1	2330.6
5°	2317.0	2314.8	2314.8	2326.1	2330.6
7.5°	2301.3	2301.3	2308.0	2323.8	2328.3
10°	2281.0	2285.5	2294.5	2317.0	2323.8
12.5°	2254.0	2263.0	2278.8	2305.8	2314.8
15°	2220.2	2231.5	2256.2	2285.5	2296.8
17.5°	2181.9	2197.7	2229.2	2263.0	2274.3
20°	2136.9	2157.2	2193.2	2231.5	2245.0
22.5°	2087.4	2112.1	2152.7	2193.2	2209.0
25°	2033.3	2060.3	2105.4	2148.2	2166.2
27.5°	1977.0	2004.1	2053.6	2096.4	2114.4
30°	1909.5	1941.0	1992.8	2037.8	2053.6
32.5°	1844.2	1875.7	1929.7	1970.3	1986.0
35°	1769.9	1799.1	1857.7	1900.5	1916.2
37.5°	1691.1	1724.8	1781.1	1819.4	1832.9
40°	1614.5	1643.8	1697.8	1736.1	1749.6
42.5°	1528.9	1560.5	1614.5	1648.3	1659.5
45°	1443.4	1474.9	1522.2	1558.2	1567.2
47.5°	1355.6	1384.8	1432.1	1461.4	1470.4
50°	1261.0	1288.0	1333.0	1362.3	1373.6
52.5°	1170.9	1195.7	1234.0	1258.7	1265.5
55°	1076.3	1098.9	1130.4	1157.4	1166.4
57.5°	975.0	999.8	1029.0	1051.6	1058.3
60°	878.2	898.4	923.2	943.5	945.7
62.5°	783.6	792.6	815.1	833.1	835.4
65°	677.8	691.3	713.8	720.6	731.8
67.5°	581.0	590.0	608.0	617.0	626.0
70°	481.9	488.6	506.6	517.9	520.2
72.5°	396.3	398.6	412.1	421.1	423.3
75°	308.5	313.0	324.3	331.0	335.5
77.5°	234.2	238.7	247.7	252.2	252.2
80°	164.4	171.1	180.1	182.4	184.6
82.5°	105.8	114.8	121.6	123.8	119.3
85°	56.3	67.6	67.6	63.0	65.3
87.5°	20.3	24.8	27.0	29.3	29.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)