

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: P297257

Luminaire Tested: **D3X-WG-74L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297257  
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-74L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6562.0 lumens  
Efficiency: N/A  
Efficacy: 115.9 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

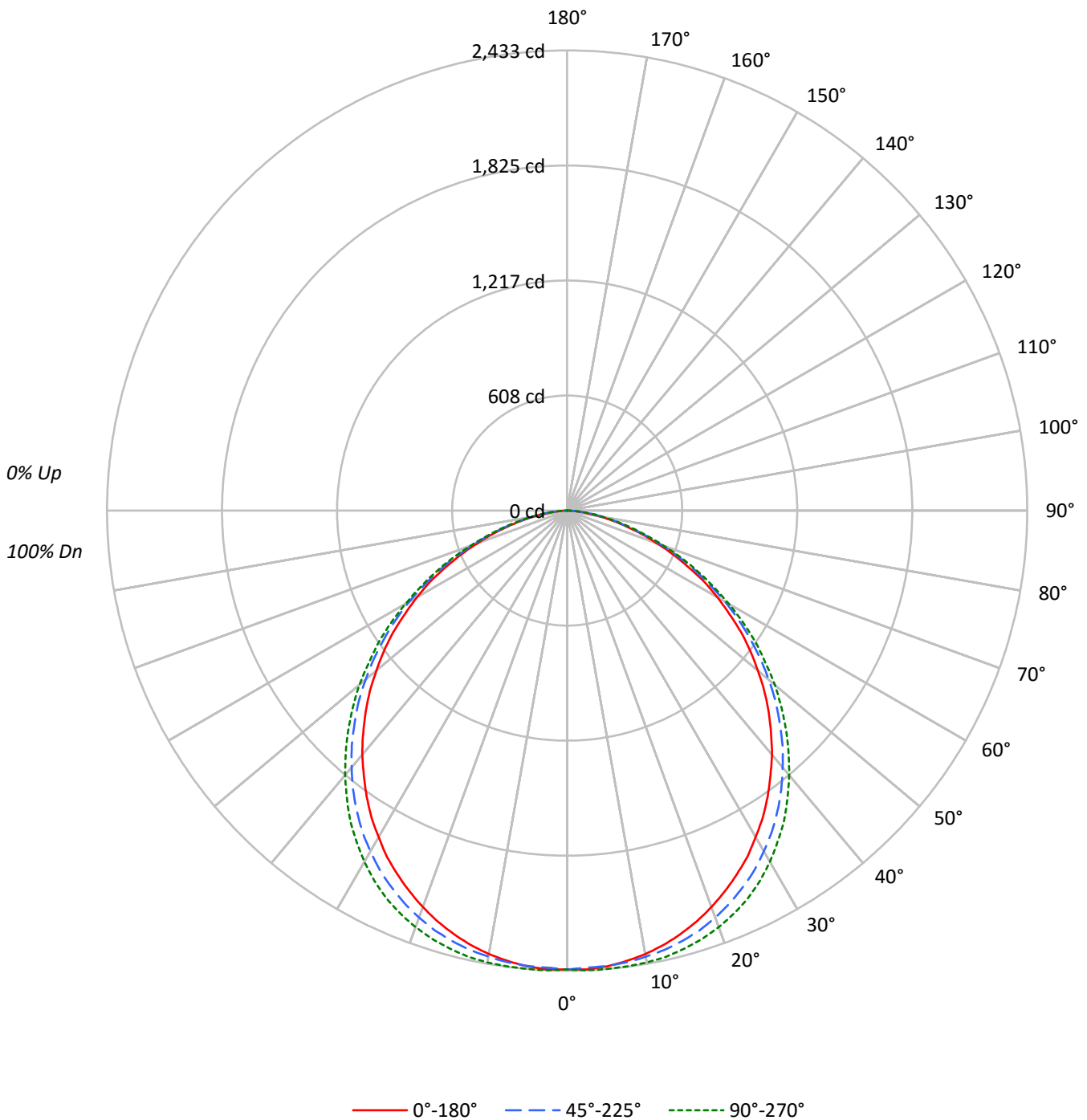
Input Watts (W): 56.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3264	3264	3264
5°	3267	3264	3286
10°	3253	3273	3314
15°	3228	3281	3340
20°	3194	3278	3356
25°	3151	3263	3357
30°	3097	3232	3331
35°	3035	3185	3286
40°	2960	3113	3208
45°	2867	3024	3113
50°	2755	2913	3001
55°	2636	2768	2856
60°	2467	2594	2657
65°	2252	2372	2432
70°	1979	2081	2136
75°	1674	1760	1821
80°	1330	1457	1494
85°	908	1088	1053



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.5	3.5
10°-20°	665.5	10.1
20°-30°	1011.3	15.4
30°-40°	1206.7	18.4
40°-50°	1218.7	18.6
50°-60°	1050.0	16.0
60°-70°	732.0	11.2
70°-80°	362.8	5.5
80°-90°	84.6	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°	1907.2	29.1
0°-40°	3113.9	47.5
0°-60°	5382.7	82.0
0°-90°	6562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6562.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2426	2426	2426	2426	2426	
5°	2419	2416	2416	2428	2433	230
15°	2318	2330	2355	2386	2398	654
25°	2123	2151	2198	2242	2261	978
35°	1848	1878	1939	1984	2000	1155
45°	1507	1540	1589	1627	1636	1161
55°	1124	1147	1180	1208	1218	1001
65°	708	722	745	752	764	703
75°	322	327	338	346	350	347
85°	59	70	70	66	68	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2425.8	2425.8	2425.8	2425.8	2425.8
2.5°	2428.2	2423.5	2418.8	2428.2	2432.9
5°	2418.8	2416.4	2416.4	2428.2	2432.9
7.5°	2402.3	2402.3	2409.4	2425.8	2430.5
10°	2381.2	2385.9	2395.3	2418.8	2425.8
12.5°	2353.0	2362.4	2378.8	2407.0	2416.4
15°	2317.7	2329.5	2355.3	2385.9	2397.6
17.5°	2277.7	2294.2	2327.1	2362.4	2374.1
20°	2230.7	2251.9	2289.5	2329.5	2343.6
22.5°	2179.0	2204.9	2247.2	2289.5	2306.0
25°	2122.6	2150.8	2197.8	2242.5	2261.3
27.5°	2063.8	2092.0	2143.8	2188.4	2207.2
30°	1993.3	2026.2	2080.3	2127.3	2143.8
32.5°	1925.2	1958.1	2014.5	2056.8	2073.2
35°	1847.6	1878.1	1939.3	1983.9	2000.4
37.5°	1765.3	1800.6	1859.3	1899.3	1913.4
40°	1685.4	1715.9	1772.4	1812.3	1826.4
42.5°	1596.1	1629.0	1685.4	1720.6	1732.4
45°	1506.7	1539.7	1589.0	1626.6	1636.0
47.5°	1415.1	1445.6	1495.0	1525.5	1535.0
50°	1316.3	1344.6	1391.6	1422.1	1433.9
52.5°	1222.3	1248.2	1288.1	1314.0	1321.0
55°	1123.6	1147.1	1180.0	1208.2	1217.6
57.5°	1017.8	1043.7	1074.2	1097.7	1104.8
60°	916.7	937.9	963.8	984.9	987.3
62.5°	818.0	827.4	850.9	869.7	872.1
65°	707.5	721.6	745.1	752.2	763.9
67.5°	606.5	615.9	634.7	644.1	653.5
70°	503.0	510.1	528.9	540.6	543.0
72.5°	413.7	416.1	430.2	439.6	441.9
75°	322.0	326.7	338.5	345.5	350.2
77.5°	244.5	249.2	258.6	263.3	263.3
80°	171.6	178.6	188.0	190.4	192.8
82.5°	110.5	119.9	126.9	129.3	124.6
85°	58.8	70.5	70.5	65.8	68.2
87.5°	21.2	25.9	28.2	30.6	30.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)