

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: P297250

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297250  
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-67L92765-LD5-UNV-24-T1-W2A-6500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5977.0 lumens  
Efficiency: N/A  
Efficacy: 117.4 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

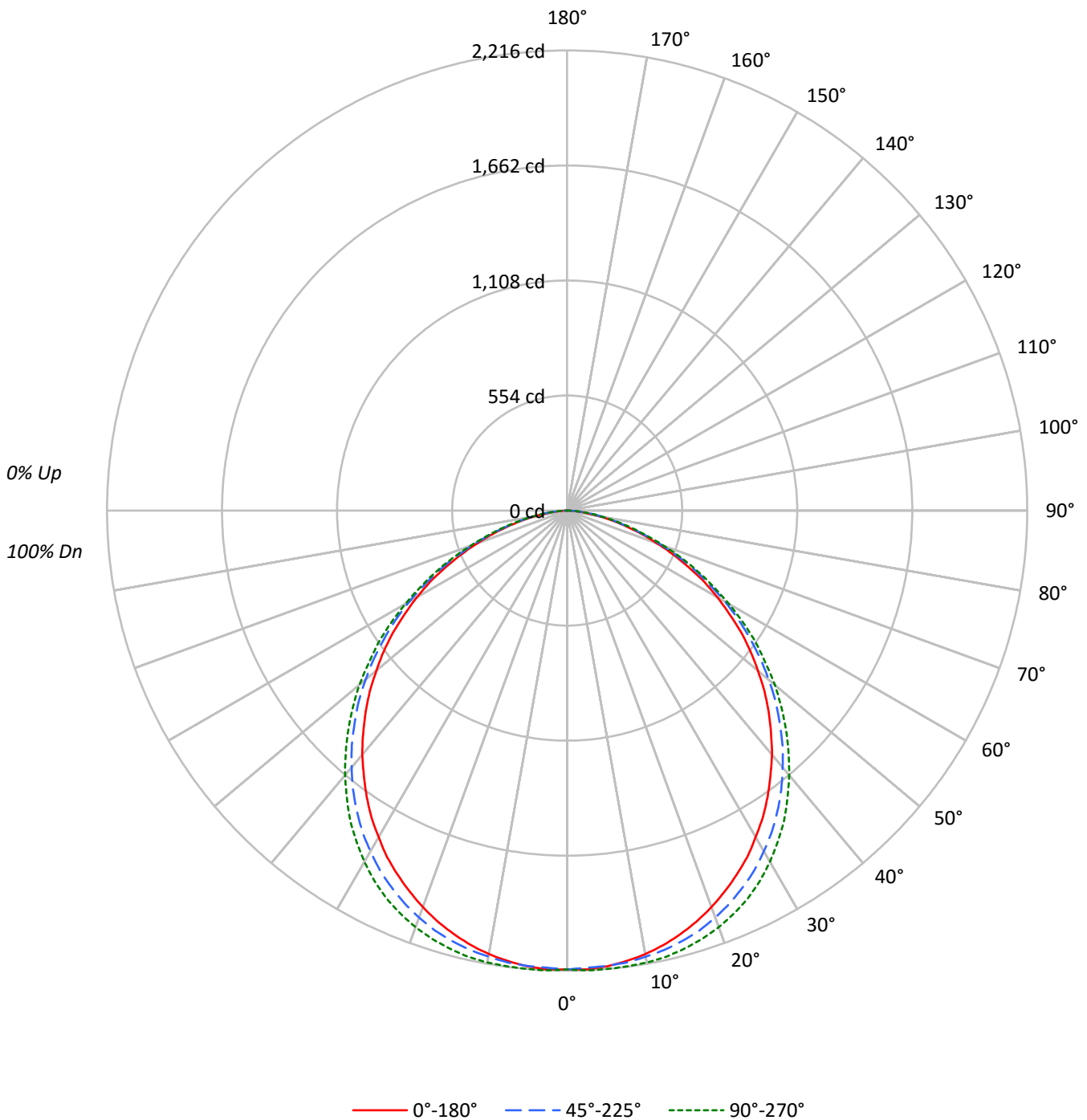
Input Watts (W): 50.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2973	2973	2973
5°	2976	2973	2993
10°	2963	2981	3019
15°	2941	2988	3042
20°	2909	2986	3056
25°	2870	2972	3058
30°	2821	2944	3034
35°	2764	2901	2993
40°	2696	2836	2922
45°	2611	2754	2836
50°	2510	2653	2734
55°	2401	2521	2602
60°	2247	2362	2420
65°	2052	2161	2215
70°	1803	1895	1946
75°	1525	1603	1658
80°	1211	1327	1361
85°	826	991	959



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.9	3.5
10°-20°	606.1	10.1
20°-30°	921.1	15.4
30°-40°	1099.1	18.4
40°-50°	1110.1	18.6
50°-60°	956.4	16.0
60°-70°	666.7	11.2
70°-80°	330.4	5.5
80°-90°	77.0	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°	1737.2	29.1
0°-40°	2836.3	47.5
0°-60°	4902.8	82.0
0°-90°	5977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5977.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2210	2210	2210	2210	2210	
5°	2203	2201	2201	2212	2216	209
15°	2111	2122	2145	2173	2184	595
25°	1933	1959	2002	2043	2060	891
35°	1683	1711	1766	1807	1822	1052
45°	1372	1402	1447	1482	1490	1058
55°	1023	1045	1075	1100	1109	912
65°	644	657	679	685	696	640
75°	293	298	308	315	319	316
85°	54	64	64	60	62	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2209.6	2209.6	2209.6	2209.6	2209.6
2.5°	2211.7	2207.4	2203.1	2211.7	2216.0
5°	2203.1	2201.0	2201.0	2211.7	2216.0
7.5°	2188.2	2188.2	2194.6	2209.6	2213.9
10°	2168.9	2173.2	2181.7	2203.1	2209.6
12.5°	2143.2	2151.8	2166.7	2192.4	2201.0
15°	2111.1	2121.8	2145.3	2173.2	2183.9
17.5°	2074.7	2089.7	2119.6	2151.8	2162.5
20°	2031.9	2051.1	2085.4	2121.8	2134.6
22.5°	1984.8	2008.3	2046.9	2085.4	2100.4
25°	1933.4	1959.1	2001.9	2042.6	2059.7
27.5°	1879.8	1905.5	1952.6	1993.3	2010.5
30°	1815.6	1845.6	1894.8	1937.7	1952.6
32.5°	1753.5	1783.5	1834.9	1873.4	1888.4
35°	1682.9	1710.7	1766.4	1807.1	1822.0
37.5°	1607.9	1640.0	1693.6	1730.0	1742.8
40°	1535.1	1563.0	1614.4	1650.8	1663.6
42.5°	1453.8	1483.8	1535.1	1567.3	1578.0
45°	1372.4	1402.4	1447.4	1481.6	1490.2
47.5°	1288.9	1316.7	1361.7	1389.5	1398.1
50°	1199.0	1224.7	1267.5	1295.3	1306.0
52.5°	1113.3	1136.9	1173.3	1196.9	1203.3
55°	1023.4	1044.8	1074.8	1100.5	1109.1
57.5°	927.1	950.6	978.5	999.9	1006.3
60°	835.0	854.3	877.8	897.1	899.2
62.5°	745.1	753.7	775.1	792.2	794.3
65°	644.5	657.3	678.7	685.1	695.8
67.5°	552.4	561.0	578.1	586.6	595.2
70°	458.2	464.6	481.7	492.4	494.6
72.5°	376.8	379.0	391.8	400.4	402.5
75°	293.3	297.6	308.3	314.7	319.0
77.5°	222.7	227.0	235.5	239.8	239.8
80°	156.3	162.7	171.3	173.4	175.6
82.5°	100.6	109.2	115.6	117.8	113.5
85°	53.5	64.2	64.2	59.9	62.1
87.5°	19.3	23.6	25.7	27.8	27.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)