

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: P297253

Luminaire Tested: **D3X-WG-74L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297253  
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-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5981.0 lumens  
Efficiency: N/A  
Efficacy: 108.5 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

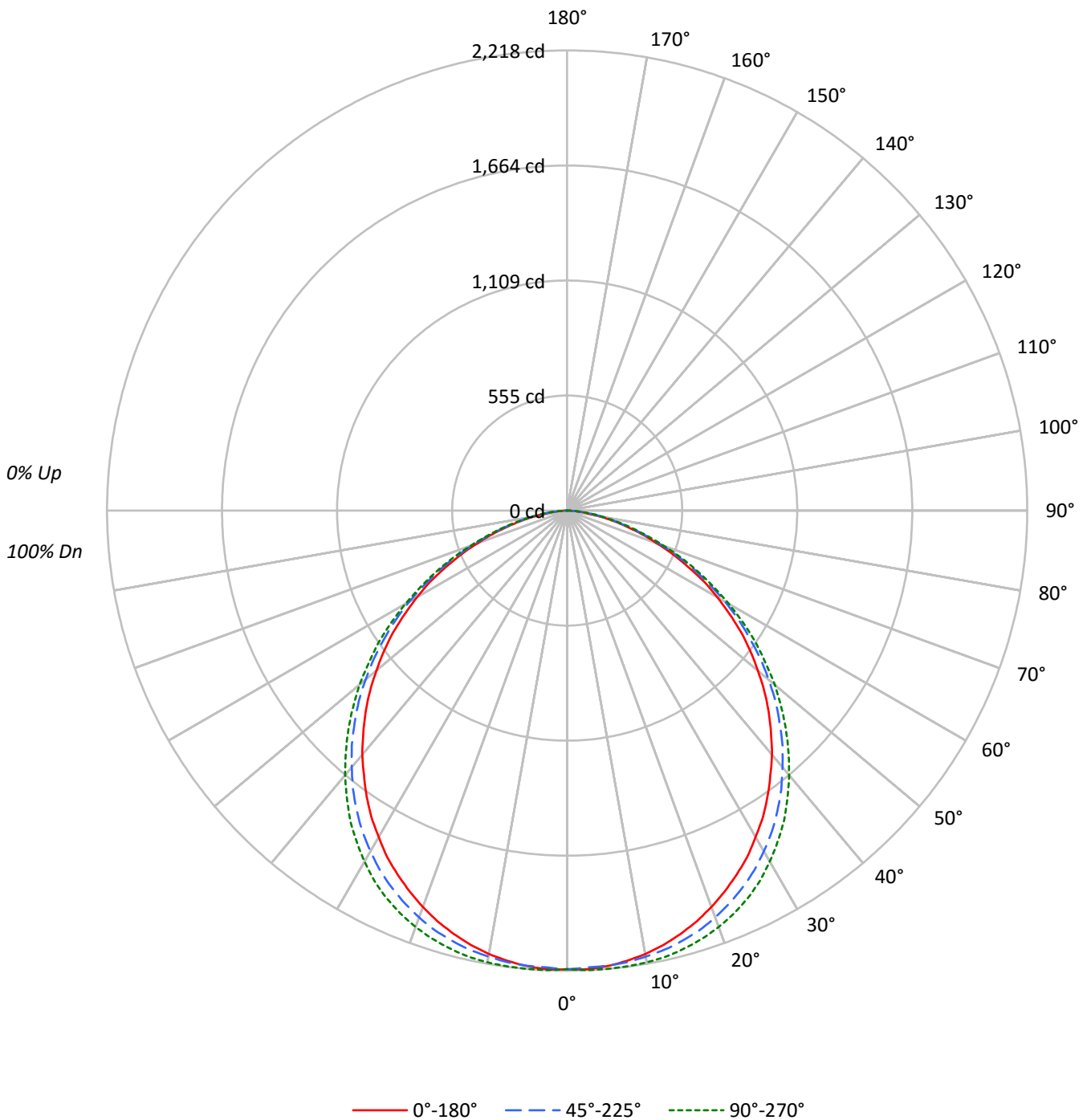
Input Watts (W): 55.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	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	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	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	27	38	32	27	37	31	27	26					26			

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

	0°	45°	90°
0°	2975	2975	2975
5°	2978	2975	2995
10°	2965	2983	3021
15°	2943	2990	3044
20°	2911	2988	3059
25°	2872	2974	3060
30°	2823	2946	3036
35°	2766	2903	2995
40°	2698	2837	2924
45°	2613	2756	2837
50°	2511	2655	2736
55°	2402	2523	2603
60°	2249	2364	2421
65°	2053	2162	2217
70°	1804	1897	1947
75°	1526	1604	1659
80°	1212	1328	1361
85°	827	993	959



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.1	3.5
10°-20°	606.5	10.1
20°-30°	921.7	15.4
30°-40°	1099.9	18.4
40°-50°	1110.8	18.6
50°-60°	957.1	16.0
60°-70°	667.2	11.2
70°-80°	330.6	5.5
80°-90°	77.1	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°	1738.4	29.1
0°-40°	2838.2	47.5
0°-60°	4906.1	82.0
0°-90°	5981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5981.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2211	2211	2211	2211	2211	
5°	2205	2202	2202	2213	2218	209
15°	2112	2123	2147	2175	2185	596
25°	1935	1960	2003	2044	2061	891
35°	1684	1712	1768	1808	1823	1053
45°	1373	1403	1448	1483	1491	1059
55°	1024	1046	1076	1101	1110	913
65°	645	658	679	686	696	640
75°	294	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°	2211.0	2211.0	2211.0	2211.0	2211.0
2.5°	2213.2	2208.9	2204.6	2213.2	2217.5
5°	2204.6	2202.5	2202.5	2213.2	2217.5
7.5°	2189.6	2189.6	2196.1	2211.0	2215.3
10°	2170.3	2174.6	2183.2	2204.6	2211.0
12.5°	2144.6	2153.2	2168.2	2193.9	2202.5
15°	2112.5	2123.2	2146.8	2174.6	2185.3
17.5°	2076.1	2091.1	2121.1	2153.2	2163.9
20°	2033.2	2052.5	2086.8	2123.2	2136.1
22.5°	1986.1	2009.7	2048.2	2086.8	2101.8
25°	1934.7	1960.4	2003.2	2043.9	2061.1
27.5°	1881.1	1906.8	1954.0	1994.7	2011.8
30°	1816.8	1846.8	1896.1	1939.0	1954.0
32.5°	1754.7	1784.7	1836.1	1874.7	1889.7
35°	1684.0	1711.8	1767.6	1808.3	1823.3
37.5°	1609.0	1641.1	1694.7	1731.1	1744.0
40°	1536.2	1564.0	1615.4	1651.9	1664.7
42.5°	1454.8	1484.7	1536.2	1568.3	1579.0
45°	1373.3	1403.3	1448.3	1482.6	1491.2
47.5°	1289.8	1317.6	1362.6	1390.5	1399.0
50°	1199.8	1225.5	1268.4	1296.2	1306.9
52.5°	1114.1	1137.7	1174.1	1197.7	1204.1
55°	1024.1	1045.5	1075.5	1101.2	1109.8
57.5°	927.7	951.3	979.1	1000.5	1007.0
60°	835.6	854.9	878.4	897.7	899.8
62.5°	745.6	754.2	775.6	792.7	794.9
65°	644.9	657.7	679.2	685.6	696.3
67.5°	552.8	561.3	578.5	587.0	595.6
70°	458.5	464.9	482.1	492.8	494.9
72.5°	377.1	379.2	392.1	400.6	402.8
75°	293.5	297.8	308.5	314.9	319.2
77.5°	222.8	227.1	235.7	240.0	240.0
80°	156.4	162.8	171.4	173.5	175.7
82.5°	100.7	109.3	115.7	117.8	113.6
85°	53.6	64.3	64.3	60.0	62.1
87.5°	19.3	23.6	25.7	27.9	27.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)