

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: P296825

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-67L82765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6275.0 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

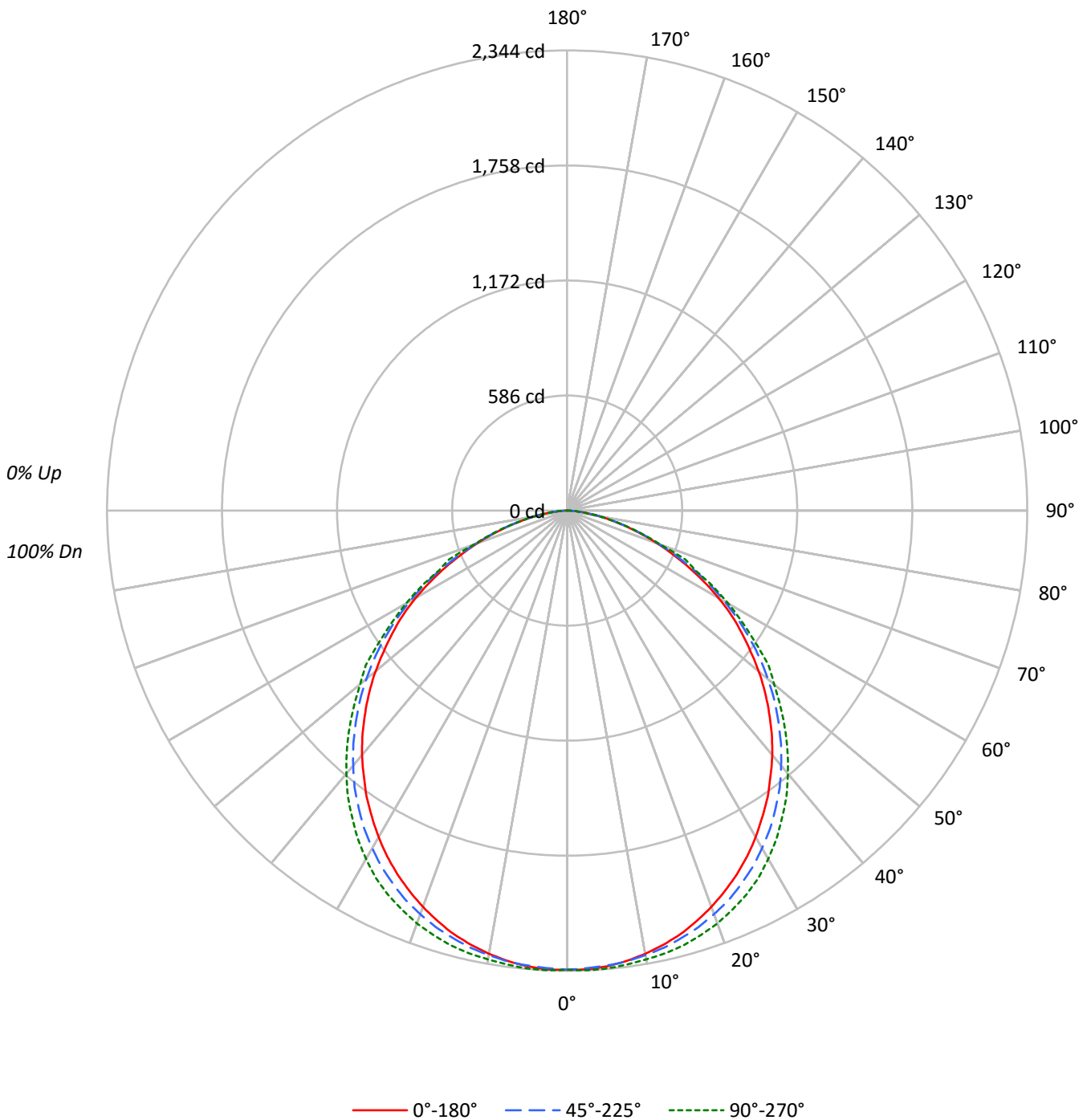
Input Watts (W): 49.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3148	3148	3148
5°	3147	3141	3162
10°	3131	3141	3171
15°	3111	3139	3193
20°	3075	3133	3204
25°	3035	3115	3206
30°	2984	3085	3183
35°	2925	3040	3136
40°	2855	2978	3073
45°	2767	2896	2986
50°	2667	2795	2879
55°	2546	2662	2741
60°	2399	2490	2551
65°	2179	2251	2294
70°	1913	1958	1984
75°	1615	1639	1651
80°	1291	1309	1274
85°	869	903	869



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.7	3.5
10°-20°	637.5	10.2
20°-30°	967.3	15.4
30°-40°	1154.9	18.4
40°-50°	1169.2	18.6
50°-60°	1010.6	16.1
60°-70°	700.4	11.2
70°-80°	338.9	5.4
80°-90°	74.5	1.2
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°	1826.5	29.1
0°-40°	2981.4	47.5
0°-60°	5161.2	82.2
0°-90°	6275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2339	2339	2339	2339	2339	
5°	2330	2328	2326	2337	2342	221
15°	2234	2238	2254	2281	2292	629
25°	2044	2058	2098	2141	2159	941
35°	1781	1797	1851	1898	1909	1112
45°	1454	1475	1522	1560	1569	1122
55°	1085	1096	1135	1182	1168	970
65°	684	691	707	718	720	677
75°	311	313	315	313	318	333
85°	56	61	58	56	56	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2339.3	2339.3	2339.3	2339.3	2339.3
2.5°	2339.3	2337.0	2332.5	2339.3	2343.8
5°	2330.3	2328.0	2325.8	2337.0	2341.5
7.5°	2314.5	2314.5	2316.8	2328.0	2332.5
10°	2292.0	2294.2	2298.7	2316.8	2321.3
12.5°	2265.0	2269.5	2280.7	2301.0	2310.0
15°	2233.5	2238.0	2253.7	2280.7	2292.0
17.5°	2192.9	2201.9	2224.5	2256.0	2267.2
20°	2147.9	2159.2	2188.4	2224.5	2238.0
22.5°	2098.4	2109.6	2147.9	2186.2	2199.7
25°	2044.3	2057.8	2098.4	2141.1	2159.2
27.5°	1985.8	2001.6	2046.6	2091.6	2109.6
30°	1920.5	1938.5	1985.8	2033.1	2048.8
32.5°	1850.7	1868.7	1922.8	1967.8	1983.5
35°	1780.9	1796.7	1850.7	1898.0	1909.2
37.5°	1702.1	1720.1	1778.7	1819.2	1834.9
40°	1625.6	1643.6	1695.4	1735.9	1749.4
42.5°	1542.3	1560.3	1612.1	1650.3	1661.6
45°	1454.4	1474.7	1522.0	1560.3	1569.3
47.5°	1366.6	1382.4	1431.9	1465.7	1472.5
50°	1274.3	1290.1	1335.1	1368.9	1375.6
52.5°	1177.5	1202.3	1238.3	1263.1	1292.3
55°	1085.2	1096.5	1134.7	1182.0	1168.5
57.5°	992.9	999.7	1031.2	1051.4	1055.9
60°	891.6	900.6	925.4	936.6	947.9
62.5°	785.8	792.5	821.8	833.0	837.5
65°	684.4	691.2	707.0	718.2	720.5
67.5°	580.9	587.6	601.1	610.1	650.7
70°	486.3	490.8	497.6	515.6	504.3
72.5°	396.3	398.5	405.3	405.3	407.5
75°	310.7	313.0	315.2	313.0	317.5
77.5°	231.9	236.4	238.7	236.4	234.2
80°	166.6	171.1	168.9	164.4	164.4
82.5°	108.1	110.3	108.1	105.8	105.8
85°	56.3	60.8	58.5	56.3	56.3
87.5°	20.3	22.5	24.8	27.0	27.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)