

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: P297247

Luminaire Tested: **D3X-WG-67L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297247
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5822.0 lumens
Efficiency: N/A
Efficacy: 116.9 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

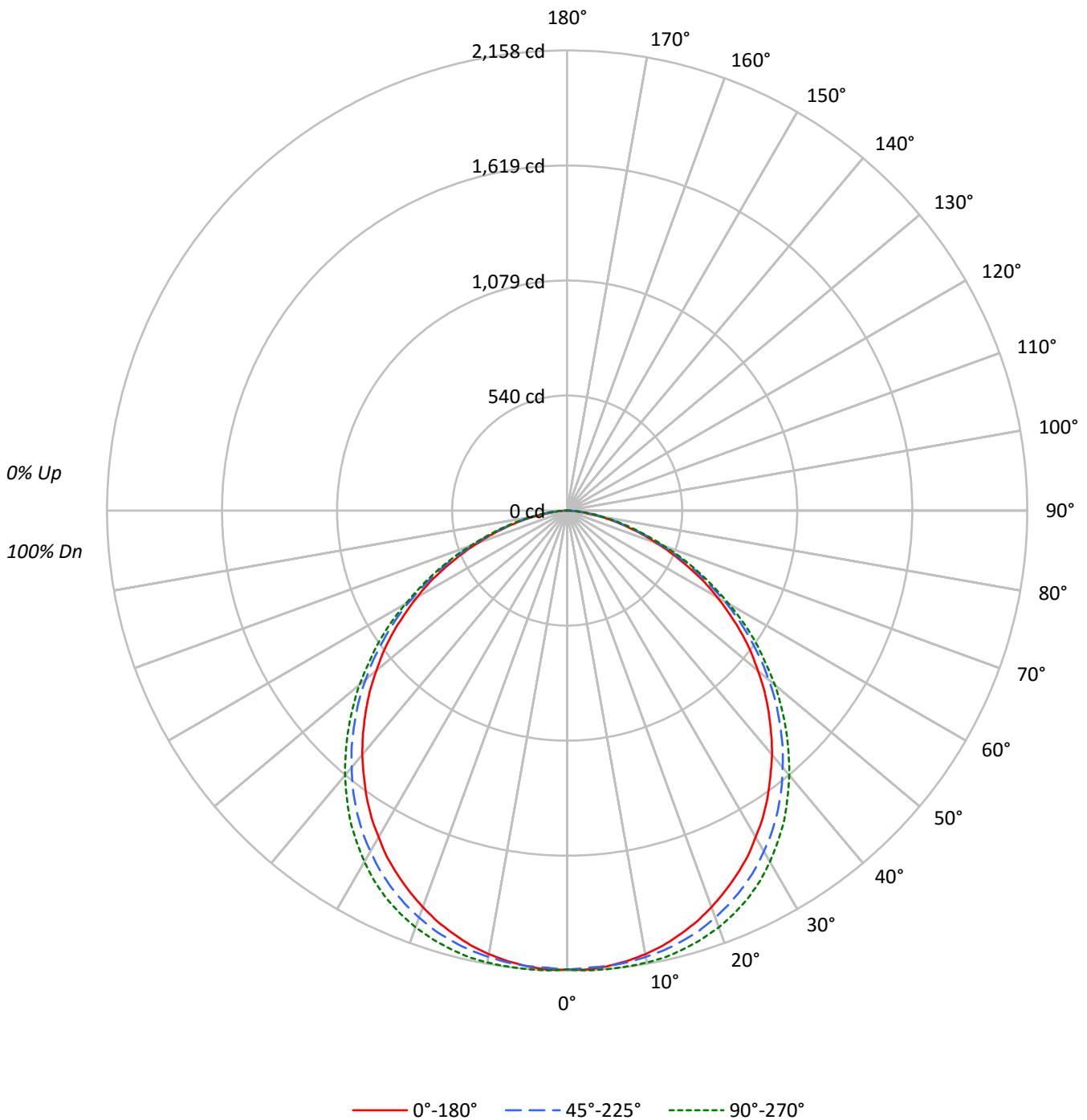
Input Watts (W): 49.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2896	2896	2896
5°	2898	2896	2915
10°	2886	2904	2941
15°	2864	2911	2963
20°	2834	2908	2977
25°	2796	2895	2979
30°	2748	2868	2955
35°	2692	2826	2915
40°	2626	2762	2846
45°	2544	2683	2762
50°	2445	2584	2663
55°	2339	2456	2534
60°	2189	2301	2357
65°	1998	2105	2158
70°	1756	1846	1895
75°	1485	1561	1615
80°	1179	1292	1325
85°	804	966	934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.5	3.5
10°-20°	590.4	10.1
20°-30°	897.2	15.4
30°-40°	1070.6	18.4
40°-50°	1081.3	18.6
50°-60°	931.6	16.0
60°-70°	649.4	11.2
70°-80°	321.8	5.5
80°-90°	75.0	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°	1692.1	29.1
0°-40°	2762.8	47.5
0°-60°	4775.7	82.0
0°-90°	5822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2152	2152	2152	2152	2152	
5°	2146	2144	2144	2154	2158	204
15°	2056	2067	2090	2117	2127	580
25°	1883	1908	1950	1990	2006	868
35°	1639	1666	1721	1760	1775	1025
45°	1337	1366	1410	1443	1452	1030
55°	997	1018	1047	1072	1080	888
65°	628	640	661	667	678	623
75°	286	290	300	307	311	308
85°	52	63	63	58	60	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2152.3	2152.3	2152.3	2152.3	2152.3
2.5°	2154.4	2150.2	2146.0	2154.4	2158.5
5°	2146.0	2143.9	2143.9	2154.4	2158.5
7.5°	2131.4	2131.4	2137.7	2152.3	2156.4
10°	2112.6	2116.8	2125.2	2146.0	2152.3
12.5°	2087.6	2096.0	2110.6	2135.6	2143.9
15°	2056.3	2066.8	2089.7	2116.8	2127.2
17.5°	2020.9	2035.5	2064.7	2096.0	2106.4
20°	1979.2	1997.9	2031.3	2066.8	2079.3
22.5°	1933.3	1956.2	1993.8	2031.3	2045.9
25°	1883.2	1908.3	1950.0	1989.6	2006.3
27.5°	1831.1	1856.1	1902.0	1941.6	1958.3
30°	1768.5	1797.7	1845.7	1887.4	1902.0
32.5°	1708.1	1737.2	1787.3	1824.8	1839.4
35°	1639.2	1666.3	1720.6	1760.2	1774.8
37.5°	1566.2	1597.5	1649.7	1685.1	1697.6
40°	1495.3	1522.4	1572.5	1607.9	1620.5
42.5°	1416.1	1445.3	1495.3	1526.6	1537.0
45°	1336.8	1366.0	1409.8	1443.2	1451.5
47.5°	1255.5	1282.6	1326.4	1353.5	1361.9
50°	1167.9	1192.9	1234.6	1261.7	1272.2
52.5°	1084.5	1107.4	1142.9	1165.8	1172.1
55°	996.9	1017.7	1046.9	1072.0	1080.3
57.5°	903.0	926.0	953.1	973.9	980.2
60°	813.4	832.1	855.1	873.8	875.9
62.5°	725.8	734.1	755.0	771.6	773.7
65°	627.7	640.3	661.1	667.4	677.8
67.5°	538.1	546.4	563.1	571.4	579.8
70°	446.3	452.6	469.2	479.7	481.8
72.5°	367.1	369.1	381.7	390.0	392.1
75°	285.7	289.9	300.3	306.6	310.7
77.5°	216.9	221.1	229.4	233.6	233.6
80°	152.2	158.5	166.8	168.9	171.0
82.5°	98.0	106.4	112.6	114.7	110.5
85°	52.1	62.6	62.6	58.4	60.5
87.5°	18.8	22.9	25.0	27.1	27.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)