

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: P296981

Luminaire Tested: **D3X-WD-80L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296981
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-80L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6167.0 lumens
Efficiency: N/A
Efficacy: 102.4 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

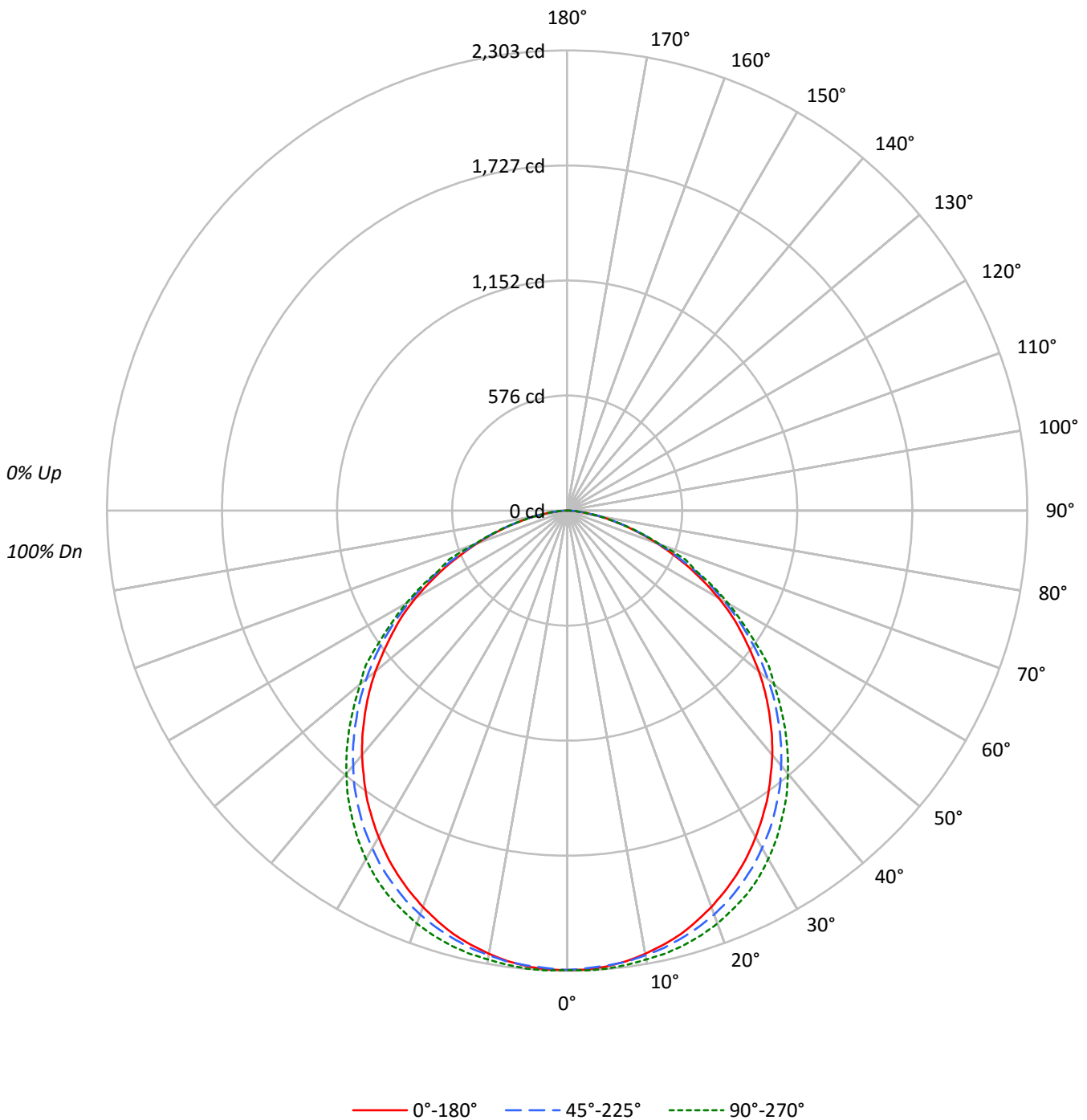
Input Watts (W): 60.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3093	3093	3093
5°	3093	3087	3108
10°	3077	3087	3117
15°	3058	3085	3138
20°	3022	3080	3149
25°	2983	3062	3150
30°	2932	3032	3128
35°	2875	2988	3082
40°	2806	2927	3020
45°	2720	2846	2935
50°	2622	2747	2830
55°	2502	2616	2694
60°	2358	2447	2507
65°	2142	2212	2254
70°	1880	1924	1950
75°	1588	1611	1622
80°	1268	1286	1251
85°	854	888	854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.9	3.5
10°-20°	626.6	10.2
20°-30°	950.7	15.4
30°-40°	1135.0	18.4
40°-50°	1149.0	18.6
50°-60°	993.2	16.1
60°-70°	688.4	11.2
70°-80°	333.1	5.4
80°-90°	73.2	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°	1795.1	29.1
0°-40°	2930.1	47.5
0°-60°	5072.3	82.2
0°-90°	6167.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6167.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2299	2299	2299	2299	2299	
5°	2290	2288	2286	2297	2301	217
15°	2195	2199	2215	2242	2252	619
25°	2009	2022	2062	2104	2122	925
35°	1750	1766	1819	1865	1876	1093
45°	1429	1449	1496	1533	1542	1102
55°	1066	1078	1115	1162	1148	953
65°	673	679	695	706	708	666
75°	305	308	310	308	312	328
85°	55	60	58	55	55	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2299.0	2299.0	2299.0	2299.0	2299.0
2.5°	2299.0	2296.8	2292.4	2299.0	2303.4
5°	2290.2	2287.9	2285.7	2296.8	2301.2
7.5°	2274.7	2274.7	2276.9	2287.9	2292.4
10°	2252.5	2254.8	2259.2	2276.9	2281.3
12.5°	2226.0	2230.4	2241.5	2261.4	2270.2
15°	2195.0	2199.4	2214.9	2241.5	2252.5
17.5°	2155.2	2164.0	2186.2	2217.1	2228.2
20°	2110.9	2122.0	2150.8	2186.2	2199.4
22.5°	2062.3	2073.3	2110.9	2148.5	2161.8
25°	2009.1	2022.4	2062.3	2104.3	2122.0
27.5°	1951.6	1967.1	2011.4	2055.6	2073.3
30°	1887.4	1905.1	1951.6	1998.1	2013.6
32.5°	1818.9	1836.6	1889.7	1933.9	1949.4
35°	1750.3	1765.7	1818.9	1865.3	1876.4
37.5°	1672.8	1690.5	1748.0	1787.9	1803.4
40°	1597.6	1615.3	1666.2	1706.0	1719.3
42.5°	1515.7	1533.4	1584.3	1621.9	1633.0
45°	1429.4	1449.3	1495.8	1533.4	1542.3
47.5°	1343.1	1358.6	1407.3	1440.5	1447.1
50°	1252.4	1267.9	1312.1	1345.3	1352.0
52.5°	1157.3	1181.6	1217.0	1241.3	1270.1
55°	1066.5	1077.6	1115.2	1161.7	1148.4
57.5°	975.8	982.4	1013.4	1033.3	1037.8
60°	876.2	885.1	909.4	920.5	931.6
62.5°	772.2	778.9	807.6	818.7	823.1
65°	672.7	679.3	694.8	705.9	708.1
67.5°	570.9	577.5	590.8	599.6	639.5
70°	477.9	482.4	489.0	506.7	495.6
72.5°	389.4	391.7	398.3	398.3	400.5
75°	305.4	307.6	309.8	307.6	312.0
77.5°	227.9	232.3	234.5	232.3	230.1
80°	163.7	168.2	166.0	161.5	161.5
82.5°	106.2	108.4	106.2	104.0	104.0
85°	55.3	59.7	57.5	55.3	55.3
87.5°	19.9	22.1	24.3	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)