

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: P296974

Luminaire Tested: **D3X-WD-74L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296974
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-74L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6163.0 lumens
Efficiency: N/A
Efficacy: 110.6 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

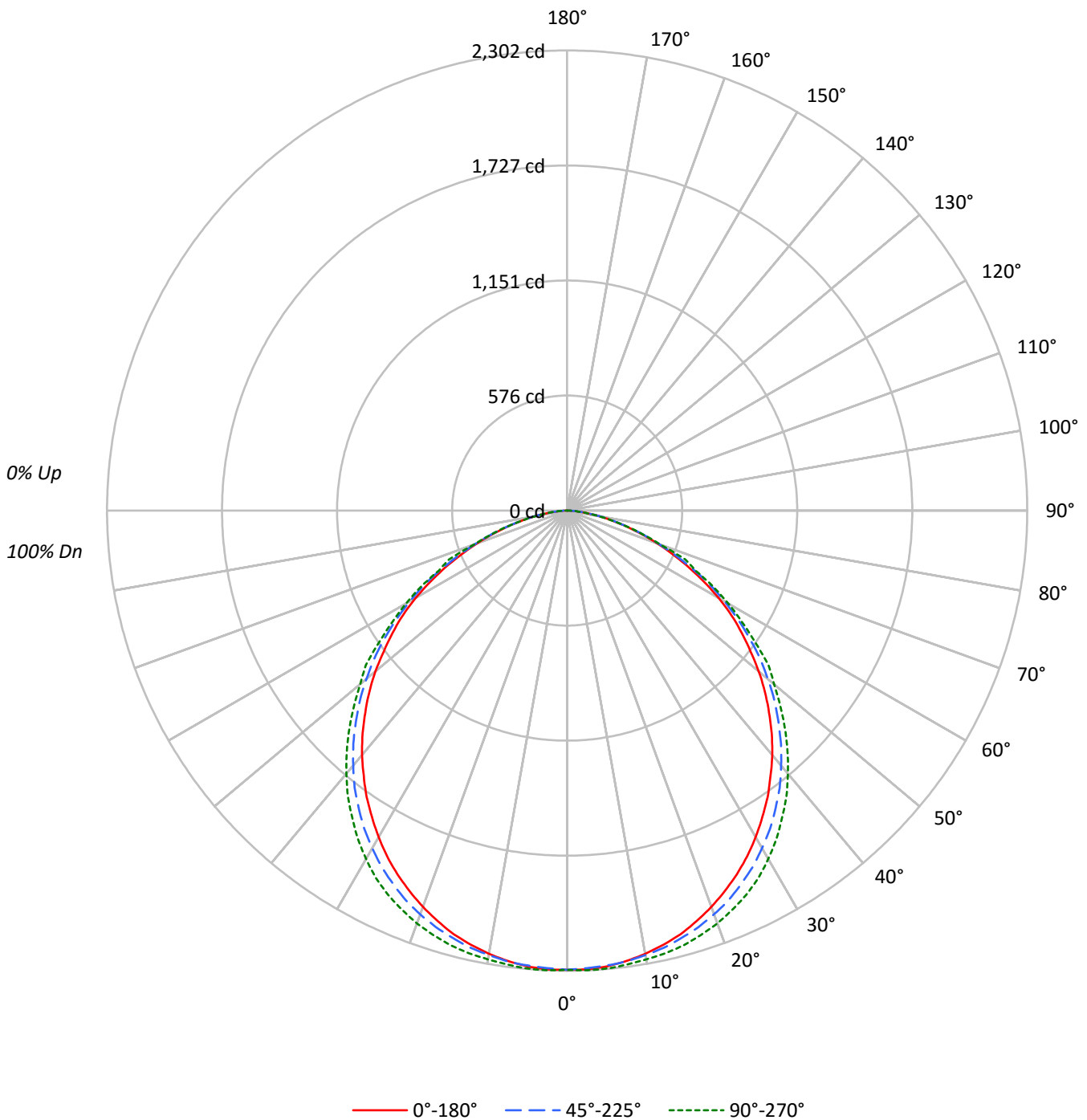
Input Watts (W): 55.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3091	3091	3091
5°	3091	3085	3106
10°	3076	3085	3115
15°	3056	3083	3136
20°	3021	3078	3147
25°	2981	3060	3148
30°	2930	3030	3126
35°	2873	2986	3080
40°	2804	2925	3018
45°	2718	2844	2933
50°	2620	2745	2828
55°	2500	2614	2692
60°	2356	2446	2505
65°	2140	2210	2253
70°	1879	1923	1948
75°	1587	1609	1621
80°	1268	1285	1251
85°	854	888	854



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	3.5
10°-20°	626.2	10.2
20°-30°	950.0	15.4
30°-40°	1134.2	18.4
40°-50°	1148.3	18.6
50°-60°	992.6	16.1
60°-70°	687.9	11.2
70°-80°	332.9	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°	1793.9	29.1
0°-40°	2928.2	47.5
0°-60°	5069.0	82.2
0°-90°	6163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6163.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2298	2298	2298	2298	2298	
5°	2289	2286	2284	2295	2300	217
15°	2194	2198	2214	2240	2251	618
25°	2008	2021	2061	2103	2121	925
35°	1749	1765	1818	1864	1875	1093
45°	1428	1448	1495	1532	1541	1102
55°	1066	1077	1114	1161	1148	953
65°	672	679	694	705	708	665
75°	305	307	310	307	312	327
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°	2297.5	2297.5	2297.5	2297.5	2297.5
2.5°	2297.5	2295.3	2290.9	2297.5	2301.9
5°	2288.7	2286.5	2284.3	2295.3	2299.7
7.5°	2273.2	2273.2	2275.4	2286.5	2290.9
10°	2251.1	2253.3	2257.7	2275.4	2279.8
12.5°	2224.6	2229.0	2240.0	2259.9	2268.8
15°	2193.6	2198.0	2213.5	2240.0	2251.1
17.5°	2153.8	2162.6	2184.7	2215.7	2226.8
20°	2109.6	2120.6	2149.4	2184.7	2198.0
22.5°	2060.9	2072.0	2109.6	2147.2	2160.4
25°	2007.8	2021.1	2060.9	2102.9	2120.6
27.5°	1950.4	1965.8	2010.1	2054.3	2072.0
30°	1886.2	1903.9	1950.4	1996.8	2012.3
32.5°	1817.7	1835.4	1888.4	1932.7	1948.1
35°	1749.1	1764.6	1817.7	1864.1	1875.2
37.5°	1671.7	1689.4	1746.9	1786.7	1802.2
40°	1596.5	1614.2	1665.1	1704.9	1718.2
42.5°	1514.7	1532.4	1583.3	1620.9	1631.9
45°	1428.5	1448.4	1494.8	1532.4	1541.3
47.5°	1342.2	1357.7	1406.4	1439.5	1446.2
50°	1251.6	1267.1	1311.3	1344.5	1351.1
52.5°	1156.5	1180.8	1216.2	1240.5	1269.3
55°	1065.8	1076.9	1114.5	1160.9	1147.7
57.5°	975.2	981.8	1012.8	1032.7	1037.1
60°	875.7	884.5	908.8	919.9	930.9
62.5°	771.7	778.4	807.1	818.2	822.6
65°	672.2	678.9	694.3	705.4	707.6
67.5°	570.5	577.1	590.4	599.3	639.1
70°	477.6	482.1	488.7	506.4	495.3
72.5°	389.2	391.4	398.0	398.0	400.2
75°	305.2	307.4	309.6	307.4	311.8
77.5°	227.8	232.2	234.4	232.2	230.0
80°	163.6	168.1	165.8	161.4	161.4
82.5°	106.1	108.4	106.1	103.9	103.9
85°	55.3	59.7	57.5	55.3	55.3
87.5°	19.9	22.1	24.3	26.5	26.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)