

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: P297254

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297254
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-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6174.0 lumens
Efficiency: N/A
Efficacy: 110.8 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

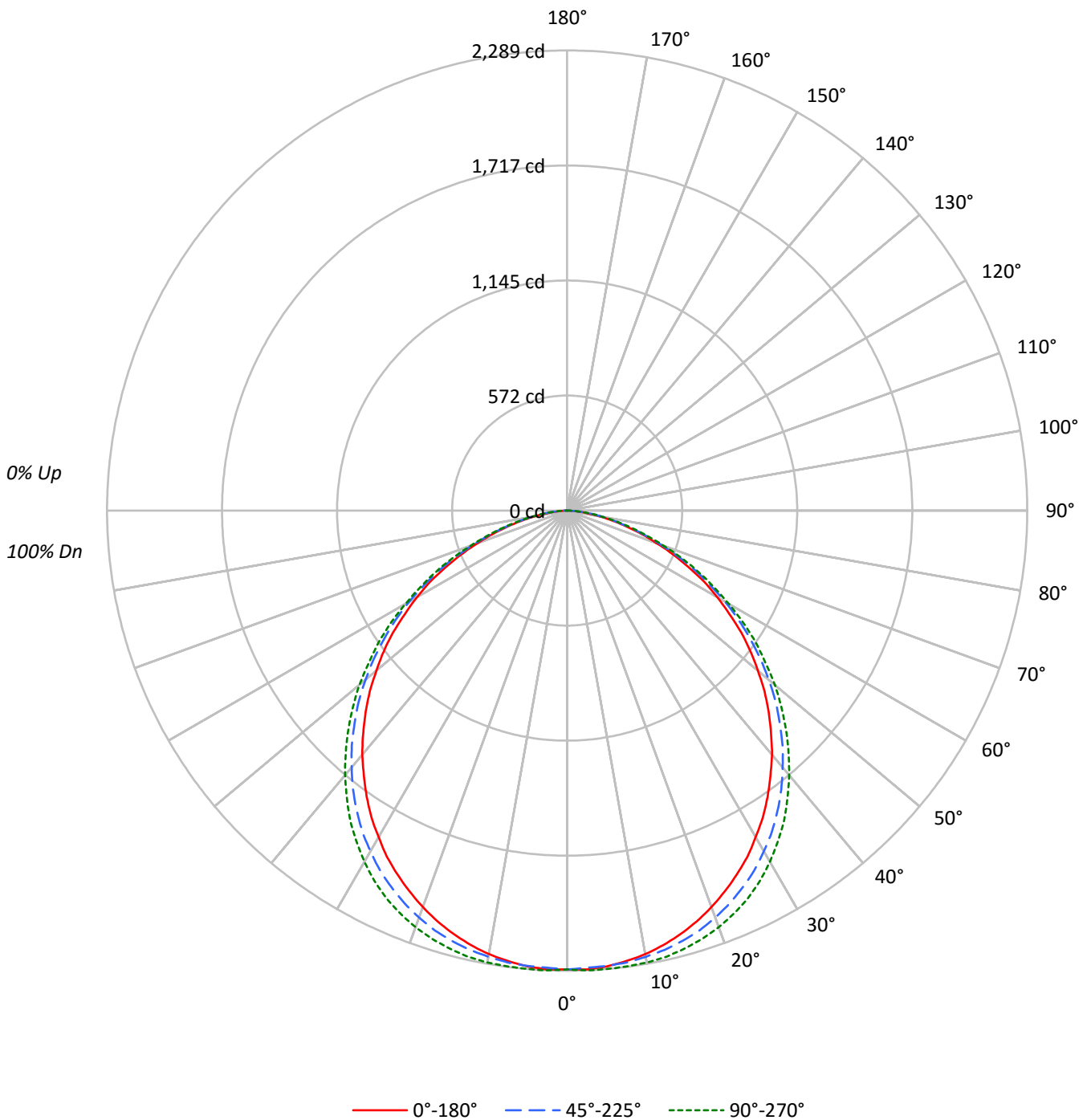
Input Watts (W): 55.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3071	3071	3071
5°	3074	3071	3092
10°	3061	3079	3118
15°	3038	3087	3142
20°	3005	3084	3157
25°	2965	3070	3159
30°	2914	3041	3134
35°	2855	2997	3091
40°	2785	2929	3018
45°	2698	2845	2929
50°	2592	2741	2824
55°	2480	2604	2687
60°	2321	2440	2500
65°	2119	2232	2288
70°	1862	1958	2010
75°	1575	1656	1713
80°	1251	1371	1406
85°	854	1024	990



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	3.5
10°-20°	626.1	10.1
20°-30°	951.5	15.4
30°-40°	1135.4	18.4
40°-50°	1146.7	18.6
50°-60°	987.9	16.0
60°-70°	688.7	11.2
70°-80°	341.3	5.5
80°-90°	79.6	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°	1794.4	29.1
0°-40°	2929.8	47.5
0°-60°	5064.4	82.0
0°-90°	6174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2282	2282	2282	2282	2282	
5°	2276	2274	2274	2285	2289	216
15°	2181	2192	2216	2245	2256	615
25°	1997	2024	2068	2110	2128	920
35°	1738	1767	1825	1867	1882	1086
45°	1418	1449	1495	1530	1539	1093
55°	1057	1079	1110	1137	1146	942
65°	666	679	701	708	719	661
75°	303	307	318	325	330	327
85°	55	66	66	62	64	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2282.4	2282.4	2282.4	2282.4	2282.4
2.5°	2284.6	2280.2	2275.8	2284.6	2289.0
5°	2275.8	2273.6	2273.6	2284.6	2289.0
7.5°	2260.3	2260.3	2266.9	2282.4	2286.8
10°	2240.4	2244.8	2253.6	2275.8	2282.4
12.5°	2213.8	2222.7	2238.2	2264.7	2273.6
15°	2180.7	2191.7	2216.0	2244.8	2255.9
17.5°	2143.1	2158.5	2189.5	2222.7	2233.7
20°	2098.8	2118.7	2154.1	2191.7	2205.0
22.5°	2050.2	2074.5	2114.3	2154.1	2169.6
25°	1997.1	2023.6	2067.9	2109.9	2127.6
27.5°	1941.8	1968.3	2017.0	2059.0	2076.7
30°	1875.5	1906.4	1957.3	2001.5	2017.0
32.5°	1811.3	1842.3	1895.4	1935.2	1950.7
35°	1738.3	1767.1	1824.6	1866.6	1882.1
37.5°	1660.9	1694.1	1749.4	1787.0	1800.3
40°	1585.7	1614.5	1667.6	1705.2	1718.4
42.5°	1501.7	1532.7	1585.7	1618.9	1630.0
45°	1417.7	1448.6	1495.1	1530.4	1539.3
47.5°	1331.4	1360.1	1406.6	1435.3	1444.2
50°	1238.5	1265.0	1309.3	1338.0	1349.1
52.5°	1150.0	1174.4	1212.0	1236.3	1242.9
55°	1057.2	1079.3	1110.2	1136.8	1145.6
57.5°	957.6	982.0	1010.7	1032.8	1039.5
60°	862.5	882.4	906.8	926.7	928.9
62.5°	769.6	778.5	800.6	818.3	820.5
65°	665.7	679.0	701.1	707.7	718.8
67.5°	570.6	579.4	597.1	606.0	614.8
70°	473.3	479.9	497.6	508.7	510.9
72.5°	389.2	391.5	404.7	413.6	415.8
75°	303.0	307.4	318.5	325.1	329.5
77.5°	230.0	234.4	243.3	247.7	247.7
80°	161.4	168.1	176.9	179.1	181.4
82.5°	103.9	112.8	119.4	121.6	117.2
85°	55.3	66.3	66.3	61.9	64.1
87.5°	19.9	24.3	26.5	28.8	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)