

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: P296888

Luminaire Tested: **D3X-WD-67L93050-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296888
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-67L93050-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5872.0 lumens
Efficiency: N/A
Efficacy: 115.8 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

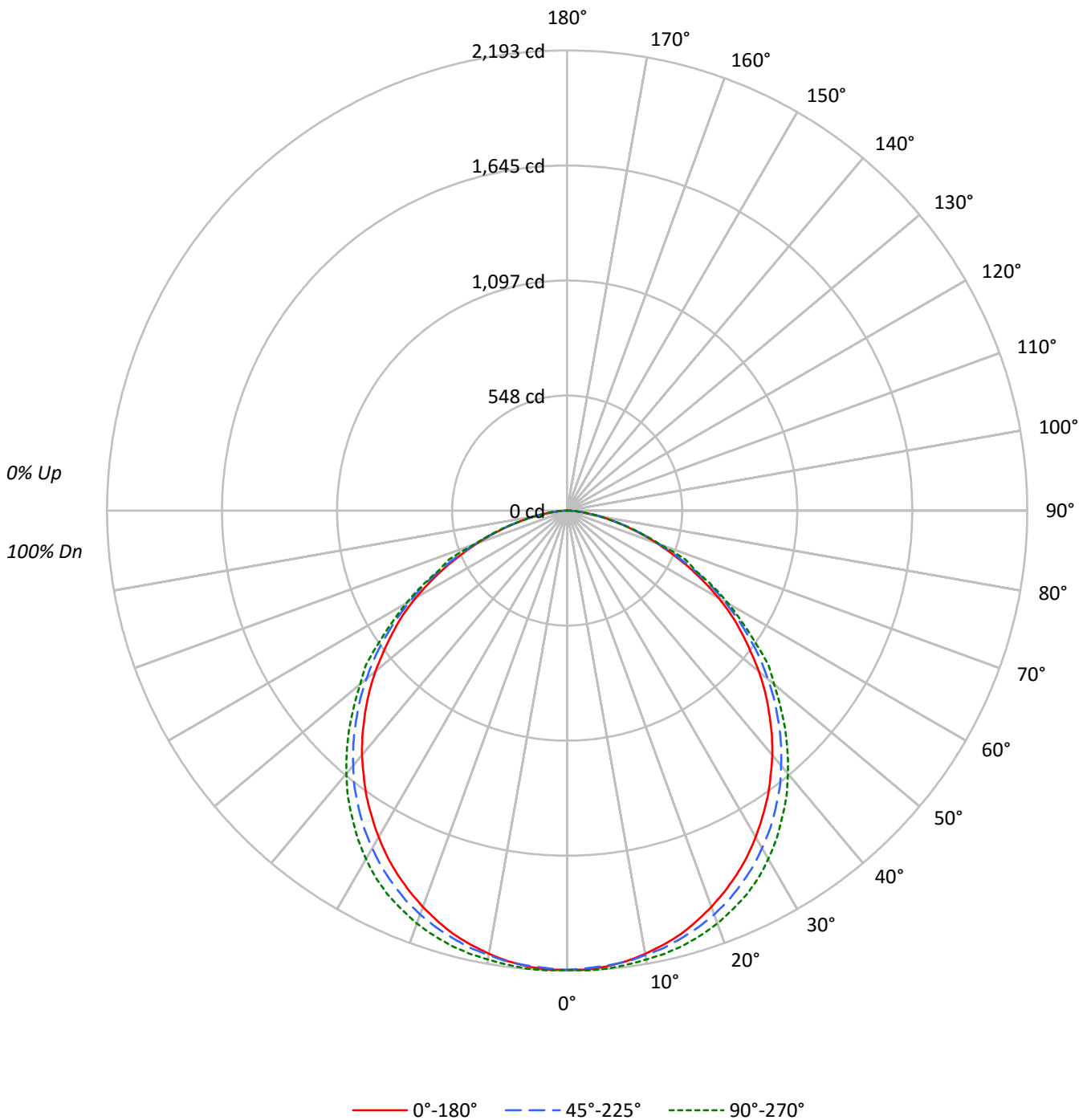
Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2945	2945	2945
5°	2945	2940	2959
10°	2930	2939	2968
15°	2911	2938	2988
20°	2878	2932	2999
25°	2840	2915	3000
30°	2792	2887	2979
35°	2737	2845	2935
40°	2672	2787	2875
45°	2590	2710	2794
50°	2496	2615	2695
55°	2382	2491	2565
60°	2245	2330	2387
65°	2039	2106	2146
70°	1790	1832	1856
75°	1511	1534	1544
80°	1208	1224	1192
85°	814	846	814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.5	3.5
10°-20°	596.6	10.2
20°-30°	905.2	15.4
30°-40°	1080.7	18.4
40°-50°	1094.1	18.6
50°-60°	945.7	16.1
60°-70°	655.5	11.2
70°-80°	317.1	5.4
80°-90°	69.7	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°	1709.2	29.1
0°-40°	2789.9	47.5
0°-60°	4829.7	82.2
0°-90°	5872.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5872.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2189	2189	2189	2189	2189	
5°	2181	2178	2176	2187	2191	207
15°	2090	2094	2109	2134	2145	589
25°	1913	1926	1964	2004	2020	881
35°	1666	1681	1732	1776	1787	1041
45°	1361	1380	1424	1460	1468	1050
55°	1016	1026	1062	1106	1094	908
65°	640	647	662	672	674	634
75°	291	293	295	293	297	312
85°	53	57	55	53	53	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2189.0	2189.0	2189.0	2189.0	2189.0
2.5°	2189.0	2186.9	2182.7	2189.0	2193.3
5°	2180.6	2178.5	2176.4	2186.9	2191.1
7.5°	2165.9	2165.9	2168.0	2178.5	2182.7
10°	2144.8	2146.9	2151.1	2168.0	2172.2
12.5°	2119.5	2123.7	2134.3	2153.2	2161.7
15°	2090.0	2094.2	2109.0	2134.3	2144.8
17.5°	2052.1	2060.5	2081.6	2111.1	2121.6
20°	2010.0	2020.5	2047.9	2081.6	2094.2
22.5°	1963.6	1974.1	2010.0	2045.8	2058.4
25°	1913.0	1925.7	1963.6	2003.6	2020.5
27.5°	1858.3	1873.0	1915.1	1957.3	1974.1
30°	1797.2	1814.0	1858.3	1902.5	1917.3
32.5°	1731.8	1748.7	1799.3	1841.4	1856.2
35°	1666.5	1681.3	1731.8	1776.1	1786.6
37.5°	1592.8	1609.6	1664.4	1702.4	1717.1
40°	1521.2	1538.0	1586.5	1624.4	1637.0
42.5°	1443.2	1460.1	1508.5	1544.3	1554.9
45°	1361.0	1380.0	1424.2	1460.1	1468.5
47.5°	1278.9	1293.6	1340.0	1371.6	1377.9
50°	1192.5	1207.2	1249.4	1281.0	1287.3
52.5°	1101.9	1125.1	1158.8	1182.0	1209.3
55°	1015.5	1026.0	1061.9	1106.1	1093.5
57.5°	929.1	935.5	964.9	983.9	988.1
60°	834.3	842.7	865.9	876.5	887.0
62.5°	735.3	741.6	769.0	779.5	783.8
65°	640.5	646.8	661.6	672.1	674.2
67.5°	543.6	549.9	562.5	571.0	608.9
70°	455.1	459.3	465.6	482.5	471.9
72.5°	370.8	372.9	379.2	379.2	381.3
75°	290.7	292.9	295.0	292.9	297.1
77.5°	217.0	221.2	223.3	221.2	219.1
80°	155.9	160.1	158.0	153.8	153.8
82.5°	101.1	103.2	101.1	99.0	99.0
85°	52.7	56.9	54.8	52.7	52.7
87.5°	19.0	21.1	23.2	25.3	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)