

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: P298060

Luminaire Tested: **D3X-WD-25L93050-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-25L93050-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2094.0 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

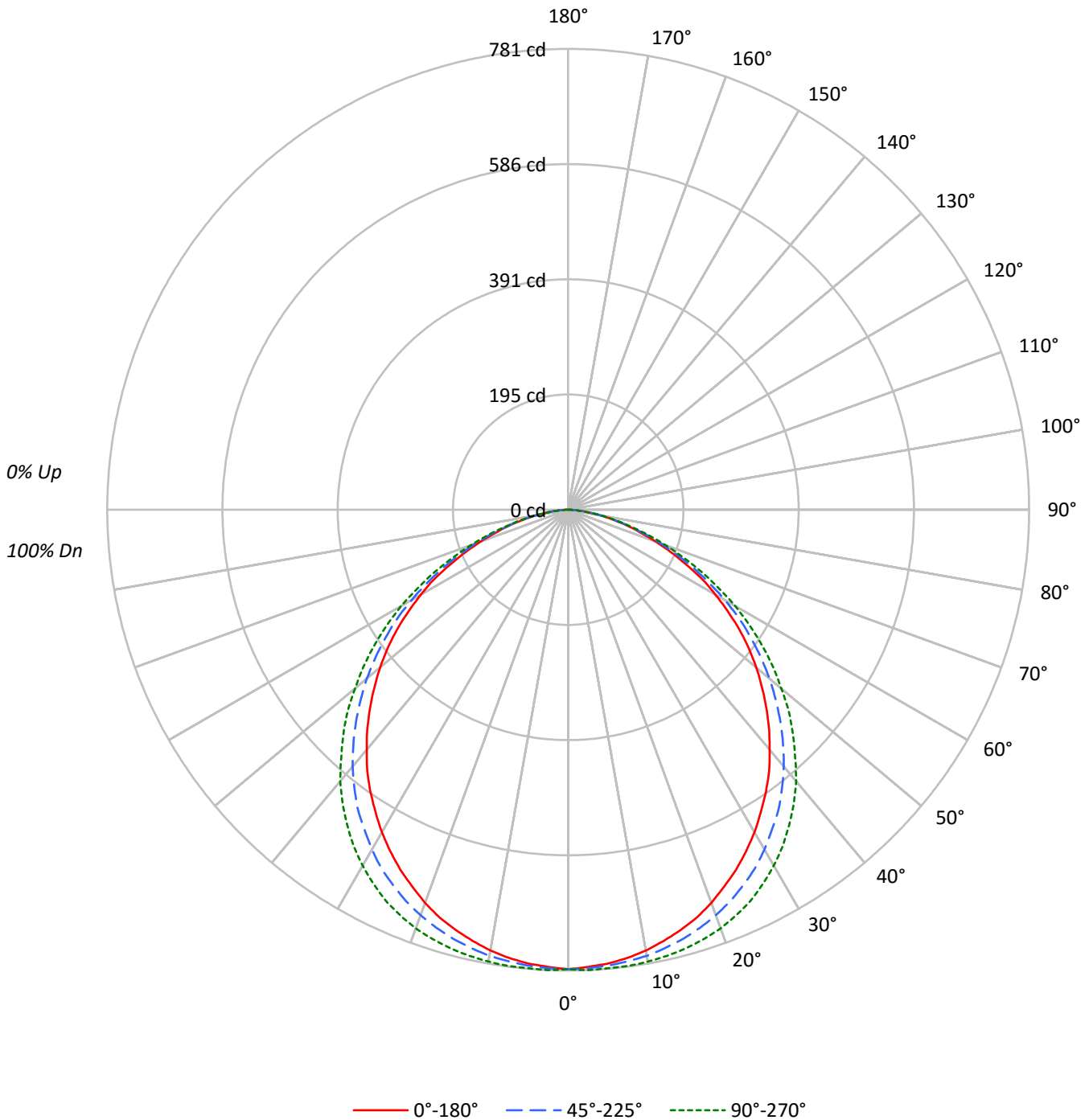
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	2096	2096	2096
5°	2086	2095	2107
10°	2073	2097	2125
15°	2053	2098	2145
20°	2030	2095	2163
25°	1998	2085	2172
30°	1961	2066	2165
35°	1918	2040	2144
40°	1865	1996	2111
45°	1806	1934	2050
50°	1741	1864	1972
55°	1660	1772	1883
60°	1553	1650	1759
65°	1407	1493	1586
70°	1242	1304	1375
75°	1067	1090	1136
80°	855	874	891
85°	627	556	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.8	3.5
10°-20°	212.6	10.2
20°-30°	323.4	15.4
30°-40°	386.9	18.5
40°-50°	391.1	18.7
50°-60°	336.6	16.1
60°-70°	232.4	11.1
70°-80°	112.7	5.4
80°-90°	24.4	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°	609.8	29.1
0°-40°	996.7	47.6
0°-60°	1724.5	82.4
0°-90°	2094.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2094.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	779	779	779	779	779	
5°	772	773	776	779	780	73
15°	737	742	753	764	770	208
25°	673	681	702	724	732	310
35°	584	594	621	644	653	365
45°	474	484	508	530	539	366
55°	354	360	378	394	401	316
65°	221	224	234	245	249	220
75°	103	100	105	108	109	109
85°	20	20	18	18	18	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	778.8	778.8	778.8	778.8	778.8
2.5°	775.5	775.5	777.7	780.0	781.1
5°	772.1	773.2	775.5	778.8	780.0
7.5°	766.4	767.6	772.1	777.7	780.0
10°	758.6	760.8	767.6	774.3	777.7
12.5°	748.4	752.9	760.8	769.8	774.3
15°	737.1	741.6	752.9	764.2	769.8
17.5°	724.7	729.3	742.8	757.4	763.1
20°	709.0	715.7	731.5	748.4	755.2
22.5°	690.9	699.9	718.0	736.0	743.9
25°	672.9	680.8	702.2	723.6	731.5
27.5°	652.6	661.6	685.3	706.7	714.6
30°	631.2	640.2	665.0	688.7	696.6
32.5°	607.5	618.8	642.5	667.3	676.3
35°	583.9	594.0	621.0	643.6	652.6
37.5°	559.1	568.1	595.1	618.8	627.8
40°	530.9	541.0	568.1	591.7	600.8
42.5°	503.8	514.0	538.8	561.3	569.2
45°	474.5	483.5	508.3	529.7	538.8
47.5°	445.2	455.4	476.8	498.2	507.2
50°	415.9	423.8	445.2	465.5	471.1
52.5°	385.5	392.2	411.4	429.4	437.3
55°	353.9	359.6	377.6	394.5	401.3
57.5°	320.1	326.9	343.8	356.2	364.1
60°	288.5	291.9	306.6	319.0	326.9
62.5°	257.0	258.1	269.4	281.8	286.3
65°	220.9	224.3	234.4	244.6	249.1
67.5°	188.2	191.6	199.5	207.4	210.8
70°	157.8	157.8	165.7	171.3	174.7
72.5°	127.4	128.5	134.1	137.5	140.9
75°	102.6	100.3	104.8	108.2	109.3
77.5°	76.6	75.5	78.9	80.0	82.3
80°	55.2	55.2	56.4	57.5	57.5
82.5°	36.1	36.1	37.2	34.9	33.8
85°	20.3	20.3	18.0	18.0	18.0
87.5°	6.8	6.8	6.8	7.9	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)