

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: P298094

Luminaire Tested: **D3X-WD-25L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298094
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-25L92765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1951.0 lumens
Efficiency: N/A
Efficacy: 103.2 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

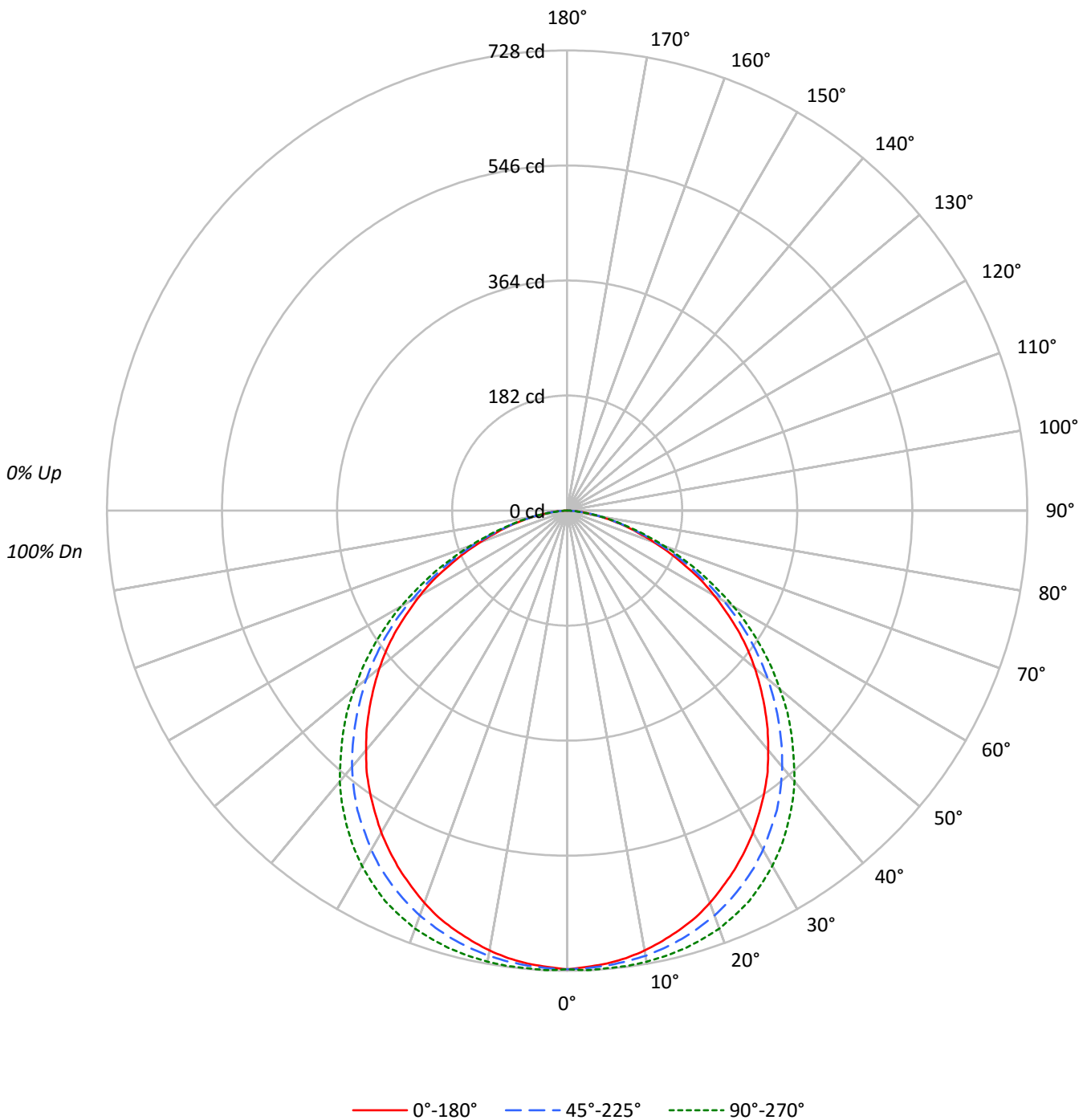
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1953	1953	1953
5°	1943	1952	1963
10°	1931	1954	1980
15°	1913	1954	1998
20°	1891	1952	2015
25°	1861	1942	2024
30°	1827	1925	2017
35°	1787	1901	1997
40°	1737	1859	1966
45°	1682	1802	1910
50°	1622	1737	1838
55°	1547	1650	1754
60°	1447	1537	1639
65°	1310	1391	1478
70°	1157	1215	1281
75°	994	1016	1059
80°	798	814	831
85°	584	519	519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	3.5
10°-20°	198.1	10.2
20°-30°	301.3	15.4
30°-40°	360.5	18.5
40°-50°	364.4	18.7
50°-60°	313.6	16.1
60°-70°	216.5	11.1
70°-80°	105.0	5.4
80°-90°	22.8	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°	568.2	29.1
0°-40°	928.6	47.6
0°-60°	1606.7	82.4
0°-90°	1951.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1951.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	726	726	726	726	726	
5°	719	720	722	726	727	68
15°	687	691	702	712	717	194
25°	627	634	654	674	682	289
35°	544	553	579	600	608	340
45°	442	450	474	494	502	341
55°	330	335	352	368	374	294
65°	206	209	218	228	232	205
75°	96	94	98	101	102	101
85°	19	19	17	17	17	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	725.7	725.7	725.7	725.7	725.7
2.5°	722.5	722.5	724.6	726.7	727.8
5°	719.4	720.4	722.5	725.7	726.7
7.5°	714.1	715.2	719.4	724.6	726.7
10°	706.8	708.9	715.2	721.5	724.6
12.5°	697.3	701.5	708.9	717.3	721.5
15°	686.8	691.0	701.5	712.0	717.3
17.5°	675.2	679.5	692.1	705.7	711.0
20°	660.5	666.8	681.6	697.3	703.6
22.5°	643.7	652.1	668.9	685.8	693.1
25°	626.9	634.3	654.2	674.2	681.6
27.5°	608.0	616.4	638.5	658.4	665.8
30°	588.1	596.5	619.6	641.6	649.0
32.5°	566.0	576.5	598.6	621.7	630.1
35°	544.0	553.4	578.6	599.6	608.0
37.5°	520.9	529.3	554.5	576.5	584.9
40°	494.6	504.1	529.3	551.3	559.7
42.5°	469.4	478.9	502.0	523.0	530.3
45°	442.1	450.5	473.6	493.6	502.0
47.5°	414.8	424.3	444.2	464.2	472.6
50°	387.5	394.9	414.8	433.7	439.0
52.5°	359.2	365.5	383.3	400.1	407.5
55°	329.7	335.0	351.8	367.6	373.9
57.5°	298.2	304.5	320.3	331.8	339.2
60°	268.8	272.0	285.6	297.2	304.5
62.5°	239.4	240.5	251.0	262.5	266.7
65°	205.8	209.0	218.4	227.9	232.1
67.5°	175.4	178.5	185.9	193.2	196.4
70°	147.0	147.0	154.4	159.6	162.8
72.5°	118.7	119.7	125.0	128.1	131.3
75°	95.6	93.5	97.7	100.8	101.9
77.5°	71.4	70.4	73.5	74.6	76.7
80°	51.5	51.5	52.5	53.6	53.6
82.5°	33.6	33.6	34.7	32.6	31.5
85°	18.9	18.9	16.8	16.8	16.8
87.5°	6.3	6.3	6.3	7.4	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)