

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: P298011

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298011
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-25L82765-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2277.0 lumens
Efficiency: N/A
Efficacy: 119.2 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

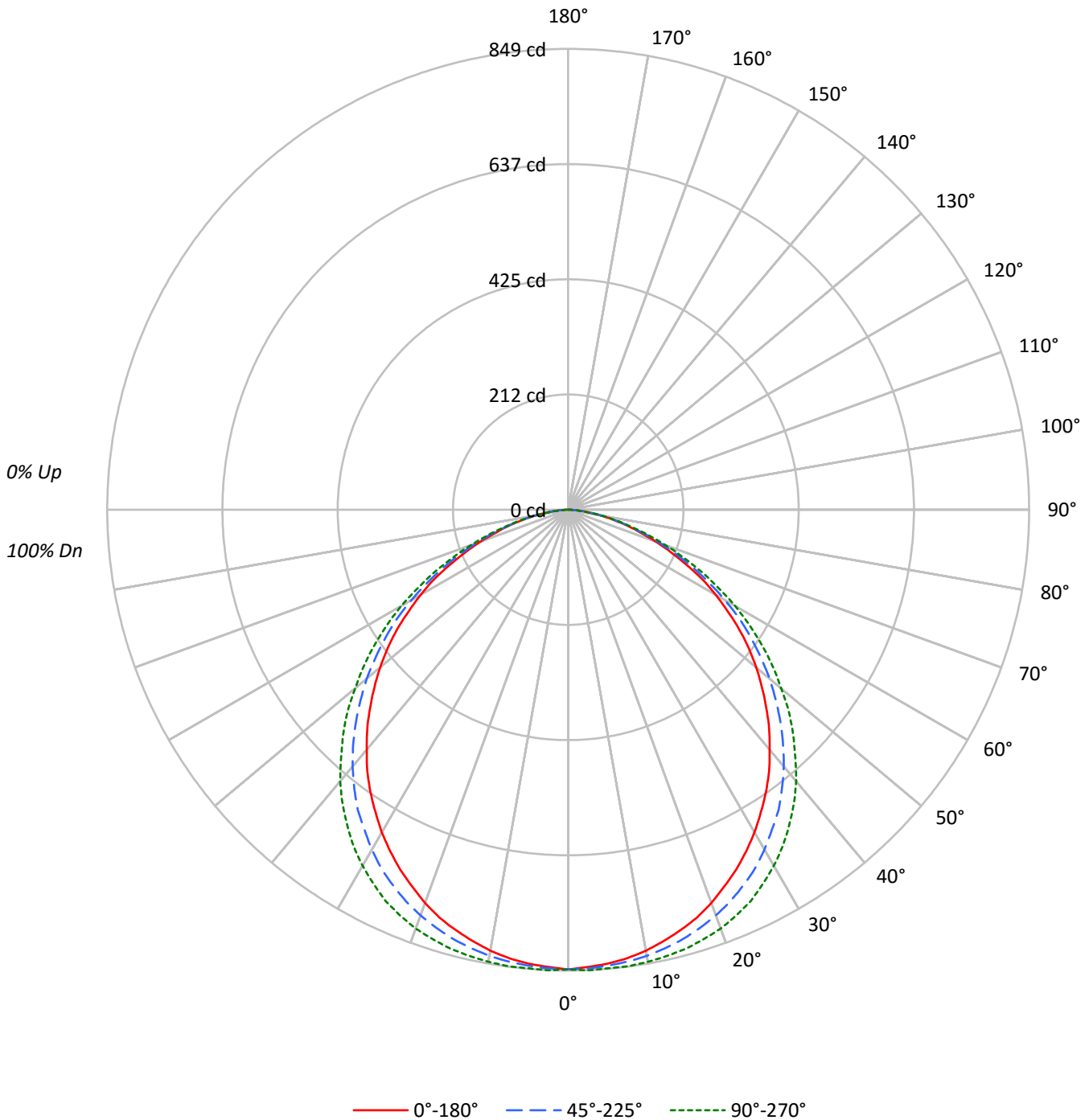
Input Watts (W): 19.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298011

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P298011

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-4000K

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°	2279	2279	2279
5°	2268	2278	2291
10°	2254	2281	2311
15°	2233	2281	2332
20°	2208	2278	2352
25°	2173	2267	2362
30°	2133	2247	2353
35°	2086	2218	2331
40°	2028	2170	2295
45°	1964	2104	2230
50°	1894	2027	2145
55°	1805	1926	2047
60°	1689	1794	1913
65°	1529	1623	1725
70°	1350	1418	1495
75°	1159	1185	1236
80°	931	950	969
85°	682	605	605



TEST NUMBER: P298011

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	3.5
10°-20°	231.2	10.2
20°-30°	351.6	15.4
30°-40°	420.7	18.5
40°-50°	425.3	18.7
50°-60°	366.0	16.1
60°-70°	252.7	11.1
70°-80°	122.5	5.4
80°-90°	26.6	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°	663.1	29.1
0°-40°	1083.8	47.6
0°-60°	1875.2	82.4
0°-90°	2277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	847	847	847	847	847	
5°	840	841	843	847	848	80
15°	802	806	819	831	837	226
25°	732	740	764	787	795	337
35°	635	646	675	700	710	397
45°	516	526	553	576	586	398
55°	385	391	411	429	436	343
65°	240	244	255	266	271	239
75°	112	109	114	118	119	118
85°	22	22	20	20	20	27
90°	0	0	0	0	0	



TEST NUMBER: P298011

CATALOG NUMBER: D3X-WD-25L82765-LD5-UNV-22-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.9	846.9	846.9	846.9	846.9
2.5°	843.2	843.2	845.7	848.1	849.4
5°	839.6	840.8	843.2	846.9	848.1
7.5°	833.4	834.7	839.6	845.7	848.1
10°	824.8	827.3	834.7	842.0	845.7
12.5°	813.8	818.7	827.3	837.1	842.0
15°	801.6	806.5	818.7	831.0	837.1
17.5°	788.1	793.0	807.7	823.6	829.8
20°	770.9	778.3	795.4	813.8	821.2
22.5°	751.3	761.1	780.7	800.3	808.9
25°	731.7	740.3	763.6	786.9	795.4
27.5°	709.6	719.4	745.2	768.5	777.0
30°	686.4	696.2	723.1	748.9	757.4
32.5°	660.6	672.9	698.6	725.6	735.4
35°	634.9	645.9	675.3	699.8	709.6
37.5°	607.9	617.7	647.1	672.9	682.7
40°	577.3	588.3	617.7	643.5	653.3
42.5°	547.9	558.9	585.9	610.4	618.9
45°	516.0	525.8	552.8	576.0	585.9
47.5°	484.1	495.2	518.4	541.7	551.5
50°	452.3	460.8	484.1	506.2	512.3
52.5°	419.2	426.5	447.4	467.0	475.5
55°	384.8	391.0	410.6	429.0	436.3
57.5°	348.1	355.4	373.8	387.3	395.9
60°	313.8	317.4	333.4	346.9	355.4
62.5°	279.4	280.7	292.9	306.4	311.3
65°	240.2	243.9	254.9	266.0	270.9
67.5°	204.7	208.4	216.9	225.5	229.2
70°	171.6	171.6	180.2	186.3	190.0
72.5°	138.5	139.7	145.8	149.5	153.2
75°	111.5	109.1	114.0	117.7	118.9
77.5°	83.3	82.1	85.8	87.0	89.5
80°	60.1	60.1	61.3	62.5	62.5
82.5°	39.2	39.2	40.4	38.0	36.8
85°	22.1	22.1	19.6	19.6	19.6
87.5°	7.4	7.4	7.4	8.6	7.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)