

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: P298010

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298010
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-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2228.0 lumens
Efficiency: N/A
Efficacy: 117.3 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

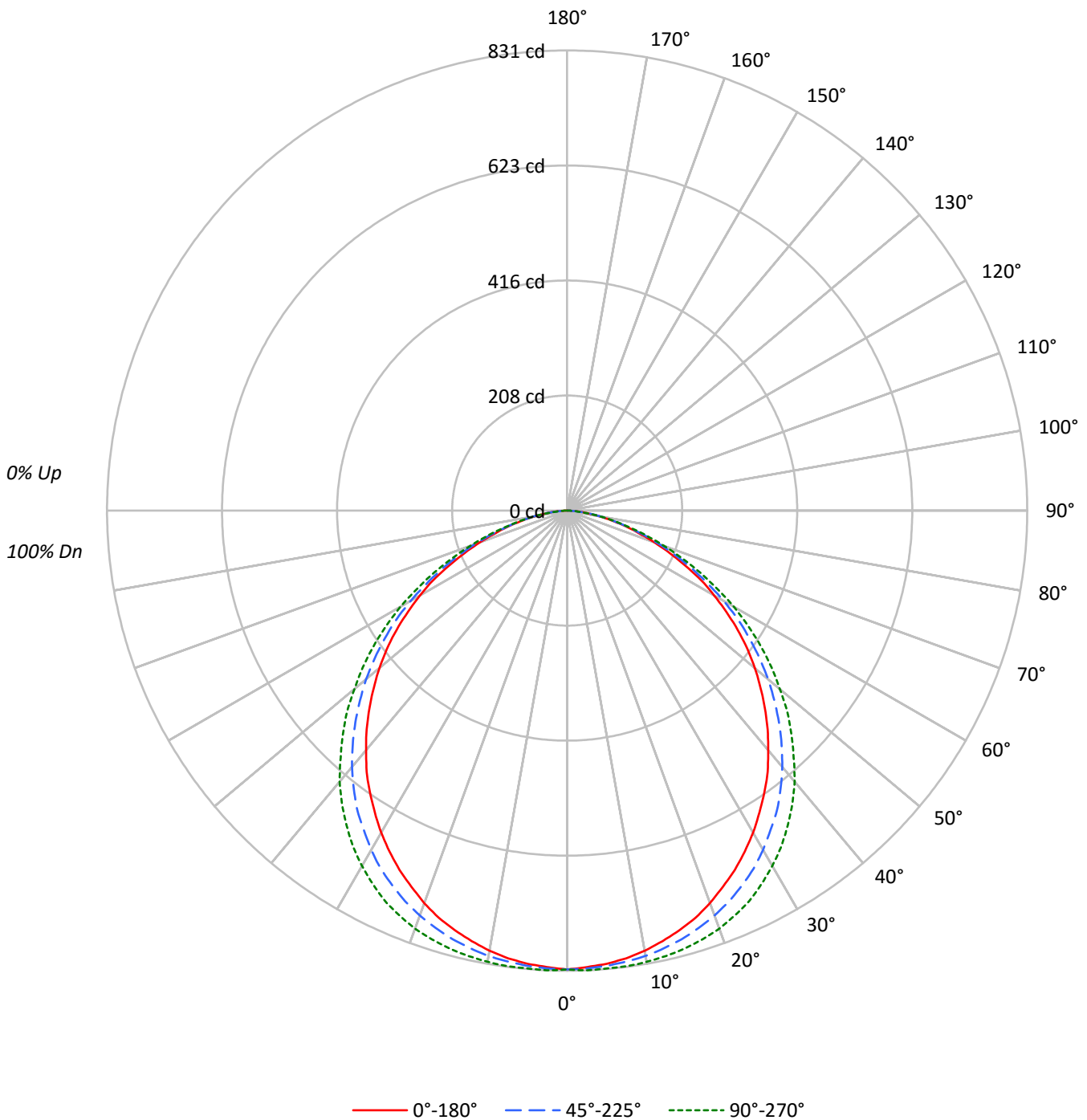
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2230	2230	2230
5°	2219	2229	2242
10°	2205	2232	2261
15°	2185	2232	2282
20°	2160	2229	2301
25°	2126	2218	2311
30°	2087	2199	2303
35°	2041	2171	2281
40°	1984	2123	2245
45°	1921	2058	2181
50°	1852	1983	2099
55°	1767	1885	2003
60°	1652	1756	1872
65°	1497	1588	1687
70°	1321	1387	1463
75°	1134	1159	1209
80°	911	930	948
85°	667	593	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	3.5
10°-20°	226.2	10.2
20°-30°	344.1	15.4
30°-40°	411.7	18.5
40°-50°	416.2	18.7
50°-60°	358.2	16.1
60°-70°	247.3	11.1
70°-80°	119.9	5.4
80°-90°	26.0	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°	648.8	29.1
0°-40°	1060.5	47.6
0°-60°	1834.8	82.4
0°-90°	2228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	822	823	825	829	830	78
15°	784	789	801	813	819	221
25°	716	724	747	770	778	330
35°	621	632	661	685	694	388
45°	505	514	541	564	573	389
55°	377	383	402	420	427	336
65°	235	239	249	260	265	234
75°	109	107	112	115	116	116
85°	22	22	19	19	19	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.7	828.7	828.7	828.7	828.7
2.5°	825.1	825.1	827.5	829.9	831.1
5°	821.5	822.7	825.1	828.7	829.9
7.5°	815.5	816.7	821.5	827.5	829.9
10°	807.1	809.5	816.7	823.9	827.5
12.5°	796.3	801.1	809.5	819.1	823.9
15°	784.3	789.1	801.1	813.1	819.1
17.5°	771.1	775.9	790.3	805.9	811.9
20°	754.3	761.5	778.3	796.3	803.5
22.5°	735.1	744.7	763.9	783.1	791.5
25°	716.0	724.3	747.1	769.9	778.3
27.5°	694.4	704.0	729.1	751.9	760.3
30°	671.6	681.2	707.6	732.7	741.1
32.5°	646.4	658.4	683.6	710.0	719.6
35°	621.2	632.0	660.8	684.8	694.4
37.5°	594.8	604.4	633.2	658.4	668.0
40°	564.8	575.6	604.4	629.6	639.2
42.5°	536.1	546.9	573.2	597.2	605.6
45°	504.9	514.5	540.9	563.6	573.2
47.5°	473.7	484.5	507.3	530.1	539.7
50°	442.5	450.9	473.7	495.3	501.3
52.5°	410.1	417.3	437.7	456.9	465.3
55°	376.6	382.6	401.8	419.7	426.9
57.5°	340.6	347.8	365.8	379.0	387.4
60°	307.0	310.6	326.2	339.4	347.8
62.5°	273.4	274.6	286.6	299.8	304.6
65°	235.1	238.7	249.4	260.2	265.0
67.5°	200.3	203.9	212.3	220.7	224.3
70°	167.9	167.9	176.3	182.3	185.9
72.5°	135.5	136.7	142.7	146.3	149.9
75°	109.1	106.7	111.5	115.1	116.3
77.5°	81.5	80.4	83.9	85.1	87.5
80°	58.8	58.8	60.0	61.2	61.2
82.5°	38.4	38.4	39.6	37.2	36.0
85°	21.6	21.6	19.2	19.2	19.2
87.5°	7.2	7.2	7.2	8.4	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)