

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: P298178

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-25L82765-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2259.0 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

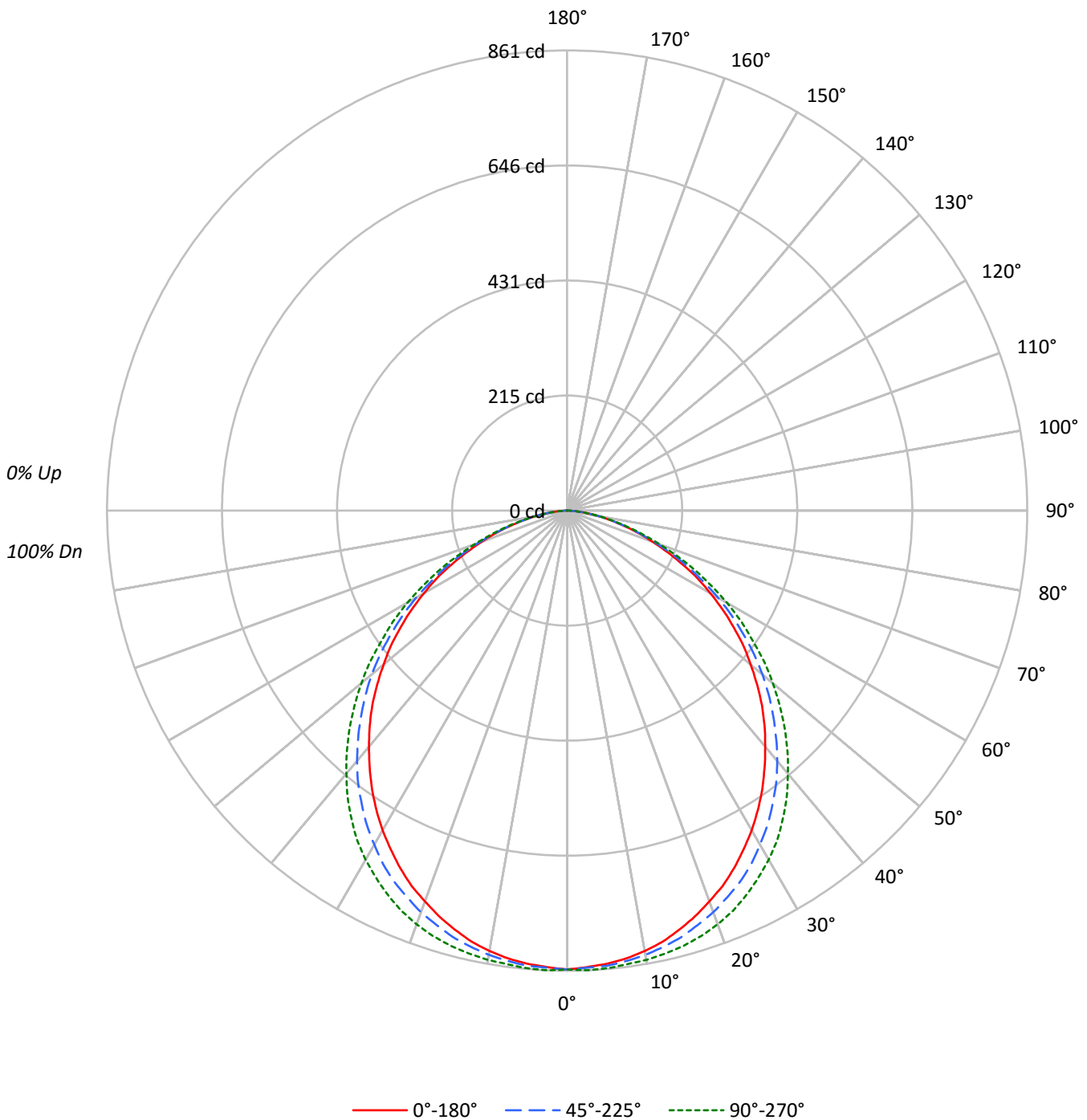
Input Watts (W): 19
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2310	2310	2310
5°	2300	2309	2322
10°	2287	2306	2333
15°	2261	2301	2348
20°	2228	2290	2359
25°	2193	2275	2357
30°	2146	2243	2344
35°	2092	2202	2312
40°	2026	2148	2258
45°	1962	2076	2190
50°	1877	1998	2103
55°	1783	1885	1985
60°	1665	1755	1858
65°	1519	1588	1680
70°	1330	1387	1443
75°	1134	1159	1209
80°	911	928	947
85°	667	630	593



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	3.6
10°-20°	233.2	10.3
20°-30°	352.6	15.6
30°-40°	418.8	18.5
40°-50°	420.4	18.6
50°-60°	359.1	15.9
60°-70°	247.4	11.0
70°-80°	120.0	5.3
80°-90°	26.3	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°	667.1	29.5
0°-40°	1085.8	48.1
0°-60°	1865.4	82.6
0°-90°	2259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	858	858	858	858	858	
5°	851	851	855	857	860	81
15°	812	815	826	837	843	229
25°	739	745	766	786	794	340
35°	637	646	670	695	704	398
45°	516	523	546	568	576	397
55°	380	386	402	418	423	340
65°	239	239	249	260	264	236
75°	109	107	112	114	116	117
85°	22	22	20	19	19	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	858.5	858.5	858.5	858.5	858.5
2.5°	854.9	854.9	856.1	859.7	860.9
5°	851.3	851.3	854.9	857.3	859.7
7.5°	845.3	846.5	850.1	854.9	856.1
10°	836.9	838.1	844.1	850.1	853.7
12.5°	826.1	828.5	835.7	845.3	848.9
15°	811.7	815.3	826.1	836.9	842.9
17.5°	796.1	800.9	812.9	828.5	834.5
20°	778.1	784.1	799.7	816.5	823.7
22.5°	760.2	765.0	782.9	802.1	810.5
25°	738.6	744.6	766.2	786.5	793.7
27.5°	714.6	723.0	745.8	767.3	774.5
30°	690.6	697.8	721.8	745.8	754.2
32.5°	664.2	671.4	697.8	721.8	731.4
35°	636.7	646.3	670.2	695.4	703.8
37.5°	606.7	617.5	642.7	664.2	675.0
40°	576.7	586.3	611.5	634.3	642.7
42.5°	546.7	555.1	579.1	603.1	610.3
45°	515.6	522.8	545.5	568.3	575.5
47.5°	482.0	490.4	512.0	531.1	539.5
50°	448.4	456.8	477.2	495.2	502.4
52.5°	416.0	420.8	440.0	456.8	465.2
55°	380.1	386.1	401.7	418.4	423.2
57.5°	345.3	348.9	364.5	378.9	386.1
60°	309.3	311.7	326.1	336.9	345.3
62.5°	275.8	275.8	286.6	298.5	303.3
65°	238.6	238.6	249.4	260.2	263.8
67.5°	202.6	205.0	212.2	220.6	223.0
70°	169.1	169.1	176.3	182.2	183.4
72.5°	139.1	137.9	141.5	146.3	148.7
75°	109.1	106.7	111.5	113.9	116.3
77.5°	82.7	81.5	83.9	86.3	86.3
80°	58.8	57.6	59.9	59.9	61.1
82.5°	38.4	39.6	39.6	38.4	37.2
85°	21.6	21.6	20.4	19.2	19.2
87.5°	7.2	7.2	7.2	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)