

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: P298014

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298014
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-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2372.0 lumens
Efficiency: N/A
Efficacy: 122.3 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

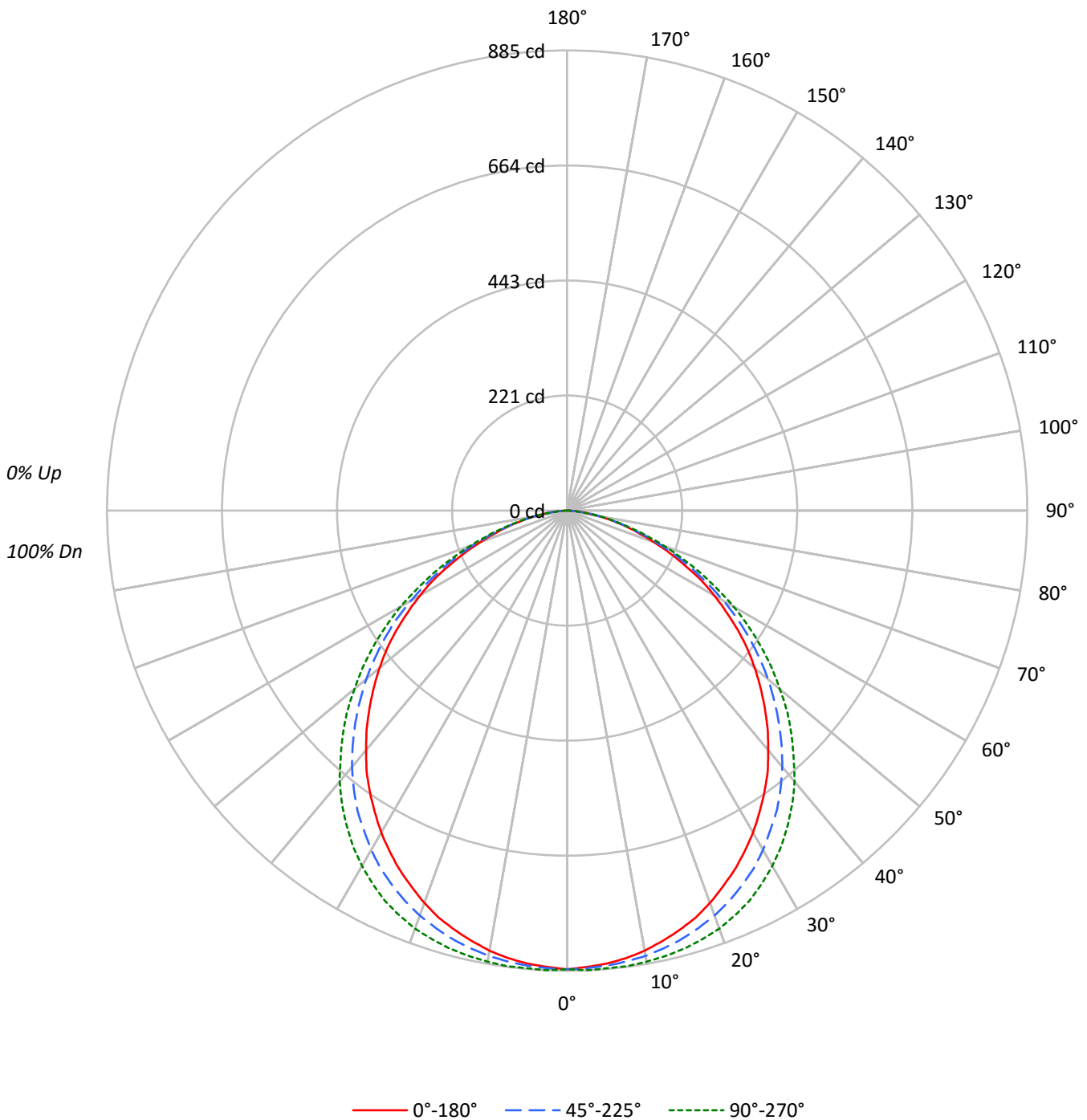
Input Watts (W): 19.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2374	2374	2374
5°	2363	2373	2387
10°	2348	2376	2407
15°	2326	2376	2429
20°	2300	2373	2450
25°	2263	2362	2460
30°	2222	2341	2452
35°	2173	2311	2428
40°	2113	2261	2390
45°	2046	2191	2323
50°	1972	2111	2234
55°	1881	2007	2132
60°	1759	1869	1993
65°	1593	1691	1797
70°	1406	1477	1557
75°	1208	1234	1287
80°	970	989	1009
85°	710	630	630



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	3.5
10°-20°	240.8	10.2
20°-30°	366.3	15.4
30°-40°	438.3	18.5
40°-50°	443.1	18.7
50°-60°	381.3	16.1
60°-70°	263.3	11.1
70°-80°	127.6	5.4
80°-90°	27.7	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°	690.8	29.1
0°-40°	1129.0	47.6
0°-60°	1953.4	82.4
0°-90°	2372.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2372.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	882	882	882	882	882	
5°	875	876	878	882	884	83
15°	835	840	853	866	872	236
25°	762	771	795	820	829	351
35°	661	673	704	729	739	413
45°	538	548	576	600	610	415
55°	401	407	428	447	454	357
65°	250	254	266	277	282	249
75°	116	114	119	123	124	123
85°	23	23	20	20	20	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	882.2	882.2	882.2	882.2	882.2
2.5°	878.4	878.4	881.0	883.5	884.8
5°	874.6	875.9	878.4	882.2	883.5
7.5°	868.2	869.5	874.6	881.0	883.5
10°	859.3	861.8	869.5	877.1	881.0
12.5°	847.8	852.9	861.8	872.0	877.1
15°	835.0	840.1	852.9	865.6	872.0
17.5°	821.0	826.1	841.4	858.0	864.4
20°	803.1	810.7	828.6	847.8	855.4
22.5°	782.7	792.9	813.3	833.7	842.7
25°	762.2	771.2	795.4	819.7	828.6
27.5°	739.2	749.5	776.3	800.5	809.5
30°	715.0	725.2	753.3	780.1	789.0
32.5°	688.2	700.9	727.8	755.8	766.1
35°	661.4	672.9	703.5	729.0	739.2
37.5°	633.3	643.5	674.1	700.9	711.2
40°	601.4	612.8	643.5	670.3	680.5
42.5°	570.7	582.2	610.3	635.8	644.8
45°	537.5	547.7	575.8	600.1	610.3
47.5°	504.3	515.8	540.1	564.3	574.5
50°	471.1	480.1	504.3	527.3	533.7
52.5°	436.7	444.3	466.0	486.4	495.4
55°	400.9	407.3	427.7	446.9	454.5
57.5°	362.6	370.3	389.4	403.5	412.4
60°	326.9	330.7	347.3	361.3	370.3
62.5°	291.1	292.4	305.1	319.2	324.3
65°	250.2	254.1	265.6	277.1	282.2
67.5°	213.2	217.1	226.0	234.9	238.8
70°	178.7	178.7	187.7	194.1	197.9
72.5°	144.3	145.6	151.9	155.8	159.6
75°	116.2	113.6	118.7	122.6	123.8
77.5°	86.8	85.5	89.4	90.7	93.2
80°	62.6	62.6	63.8	65.1	65.1
82.5°	40.9	40.9	42.1	39.6	38.3
85°	23.0	23.0	20.4	20.4	20.4
87.5°	7.7	7.7	7.7	8.9	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)