

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: P298013

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298013
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-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2348.0 lumens
Efficiency: N/A
Efficacy: 121.7 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

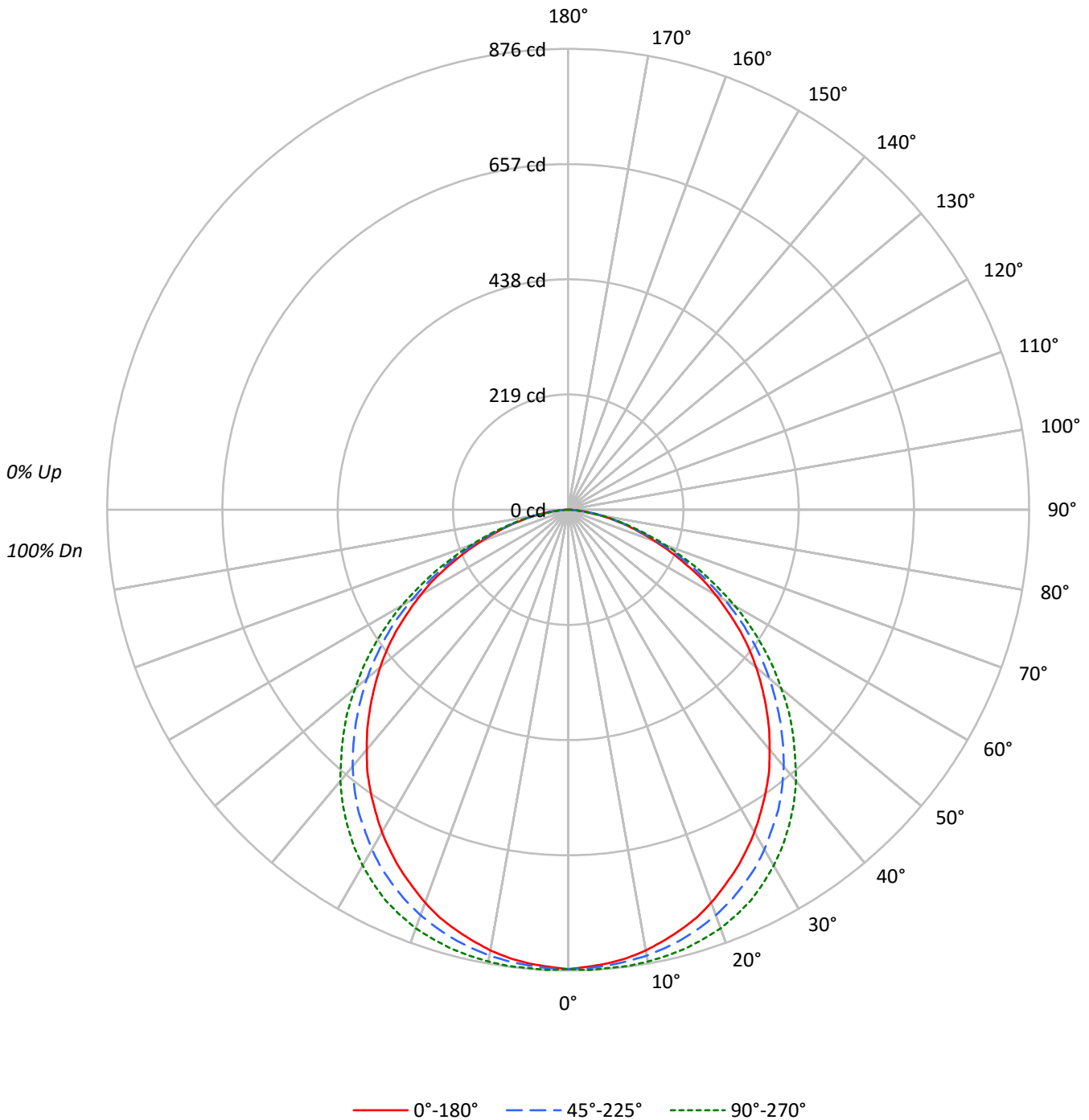
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2350	2350	2350
5°	2338	2349	2363
10°	2324	2352	2383
15°	2303	2352	2405
20°	2277	2349	2425
25°	2240	2338	2435
30°	2199	2317	2427
35°	2151	2288	2404
40°	2091	2238	2366
45°	2025	2169	2299
50°	1953	2090	2212
55°	1862	1986	2111
60°	1741	1850	1972
65°	1577	1674	1778
70°	1392	1462	1541
75°	1196	1222	1275
80°	959	979	1000
85°	701	624	624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	3.5
10°-20°	238.4	10.2
20°-30°	362.6	15.4
30°-40°	433.9	18.5
40°-50°	438.6	18.7
50°-60°	377.4	16.1
60°-70°	260.6	11.1
70°-80°	126.4	5.4
80°-90°	27.4	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°	683.8	29.1
0°-40°	1117.6	47.6
0°-60°	1933.7	82.4
0°-90°	2348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	866	867	870	873	875	82
15°	827	832	844	857	863	233
25°	754	763	787	811	820	347
35°	655	666	696	722	732	409
45°	532	542	570	594	604	410
55°	397	403	423	442	450	354
65°	248	252	263	274	279	247
75°	115	112	118	121	123	122
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°	873.3	873.3	873.3	873.3	873.3
2.5°	869.5	869.5	872.1	874.6	875.8
5°	865.7	867.0	869.5	873.3	874.6
7.5°	859.4	860.7	865.7	872.1	874.6
10°	850.6	853.1	860.7	868.3	872.1
12.5°	839.2	844.2	853.1	863.2	868.3
15°	826.6	831.6	844.2	856.9	863.2
17.5°	812.7	817.7	832.9	849.3	855.6
20°	795.0	802.5	820.2	839.2	846.8
22.5°	774.7	784.8	805.1	825.3	834.1
25°	754.5	763.4	787.4	811.4	820.2
27.5°	731.8	741.9	768.4	792.4	801.3
30°	707.8	717.9	745.7	772.2	781.1
32.5°	681.2	693.9	720.4	748.2	758.3
35°	654.7	666.0	696.4	721.7	731.8
37.5°	626.9	637.0	667.3	693.9	704.0
40°	595.3	606.6	637.0	663.5	673.6
42.5°	564.9	576.3	604.1	629.4	638.2
45°	532.1	542.2	570.0	594.0	604.1
47.5°	499.2	510.6	534.6	558.6	568.7
50°	466.4	475.2	499.2	522.0	528.3
52.5°	432.2	439.8	461.3	481.5	490.4
55°	396.8	403.2	423.4	442.3	449.9
57.5°	358.9	366.5	385.5	399.4	408.2
60°	323.5	327.3	343.8	357.7	366.5
62.5°	288.2	289.4	302.1	316.0	321.0
65°	247.7	251.5	262.9	274.3	279.3
67.5°	211.1	214.9	223.7	232.5	236.3
70°	176.9	176.9	185.8	192.1	195.9
72.5°	142.8	144.1	150.4	154.2	158.0
75°	115.0	112.5	117.5	121.3	122.6
77.5°	85.9	84.7	88.5	89.7	92.3
80°	61.9	61.9	63.2	64.5	64.5
82.5°	40.4	40.4	41.7	39.2	37.9
85°	22.7	22.7	20.2	20.2	20.2
87.5°	7.6	7.6	7.6	8.8	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)