

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: P298016

Luminaire Tested: **D3X-WD-25L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298016
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2384.0 lumens
Efficiency: N/A
Efficacy: 121.0 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

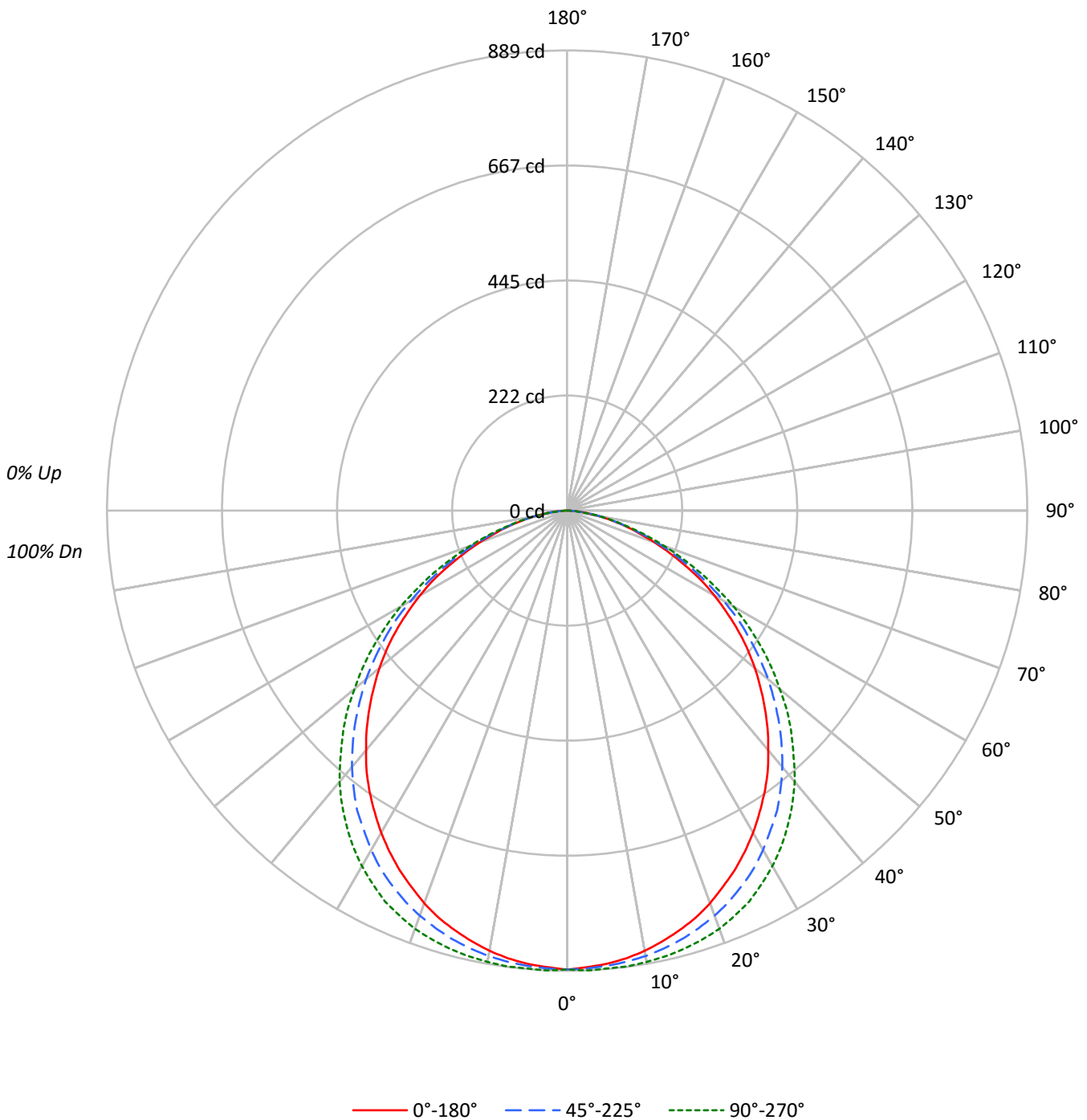
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2386	2386	2386
5°	2374	2385	2399
10°	2360	2388	2419
15°	2338	2388	2442
20°	2311	2385	2462
25°	2275	2374	2473
30°	2233	2353	2464
35°	2184	2323	2441
40°	2123	2272	2403
45°	2056	2202	2334
50°	1982	2122	2246
55°	1890	2017	2143
60°	1768	1878	2003
65°	1601	1699	1806
70°	1414	1484	1565
75°	1214	1240	1294
80°	975	995	1013
85°	713	633	633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.5
10°-20°	242.1	10.2
20°-30°	368.2	15.4
30°-40°	440.5	18.5
40°-50°	445.3	18.7
50°-60°	383.2	16.1
60°-70°	264.6	11.1
70°-80°	128.3	5.4
80°-90°	27.8	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°	694.3	29.1
0°-40°	1134.8	47.6
0°-60°	1963.3	82.4
0°-90°	2384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2384.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	887	887	887	887	887	
5°	879	880	883	887	888	83
15°	839	844	857	870	876	237
25°	766	775	799	824	833	353
35°	665	676	707	733	743	415
45°	540	550	579	603	613	417
55°	403	409	430	449	457	359
65°	252	255	267	278	284	250
75°	117	114	119	123	124	124
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°	886.7	886.7	886.7	886.7	886.7
2.5°	882.9	882.9	885.4	888.0	889.3
5°	879.0	880.3	882.9	886.7	888.0
7.5°	872.6	873.9	879.0	885.4	888.0
10°	863.6	866.2	873.9	881.6	885.4
12.5°	852.1	857.2	866.2	876.4	881.6
15°	839.2	844.4	857.2	870.0	876.4
17.5°	825.1	830.2	845.6	862.3	868.7
20°	807.1	814.8	832.8	852.1	859.8
22.5°	786.6	796.9	817.4	837.9	846.9
25°	766.1	775.1	799.4	823.8	832.8
27.5°	743.0	753.3	780.2	804.6	813.6
30°	718.6	728.9	757.1	784.0	793.0
32.5°	691.7	704.5	731.4	759.7	769.9
35°	664.7	676.3	707.1	732.7	743.0
37.5°	636.5	646.7	677.5	704.5	714.8
40°	604.4	615.9	646.7	673.7	684.0
42.5°	573.6	585.2	613.4	639.0	648.0
45°	540.2	550.5	578.7	603.1	613.4
47.5°	506.9	518.4	542.8	567.2	577.5
50°	473.5	482.5	506.9	530.0	536.4
52.5°	438.9	446.6	468.4	488.9	497.9
55°	402.9	409.3	429.9	449.1	456.8
57.5°	364.4	372.1	391.4	405.5	414.5
60°	328.5	332.4	349.0	363.2	372.1
62.5°	292.6	293.9	306.7	320.8	325.9
65°	251.5	255.4	266.9	278.5	283.6
67.5°	214.3	218.1	227.1	236.1	240.0
70°	179.7	179.7	188.6	195.1	198.9
72.5°	145.0	146.3	152.7	156.6	160.4
75°	116.8	114.2	119.3	123.2	124.5
77.5°	87.3	86.0	89.8	91.1	93.7
80°	62.9	62.9	64.2	65.4	65.4
82.5°	41.1	41.1	42.3	39.8	38.5
85°	23.1	23.1	20.5	20.5	20.5
87.5°	7.7	7.7	7.7	9.0	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)