

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: P298312

Luminaire Tested: **D3X-WO-25L83050-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-25L83050-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2588.0 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

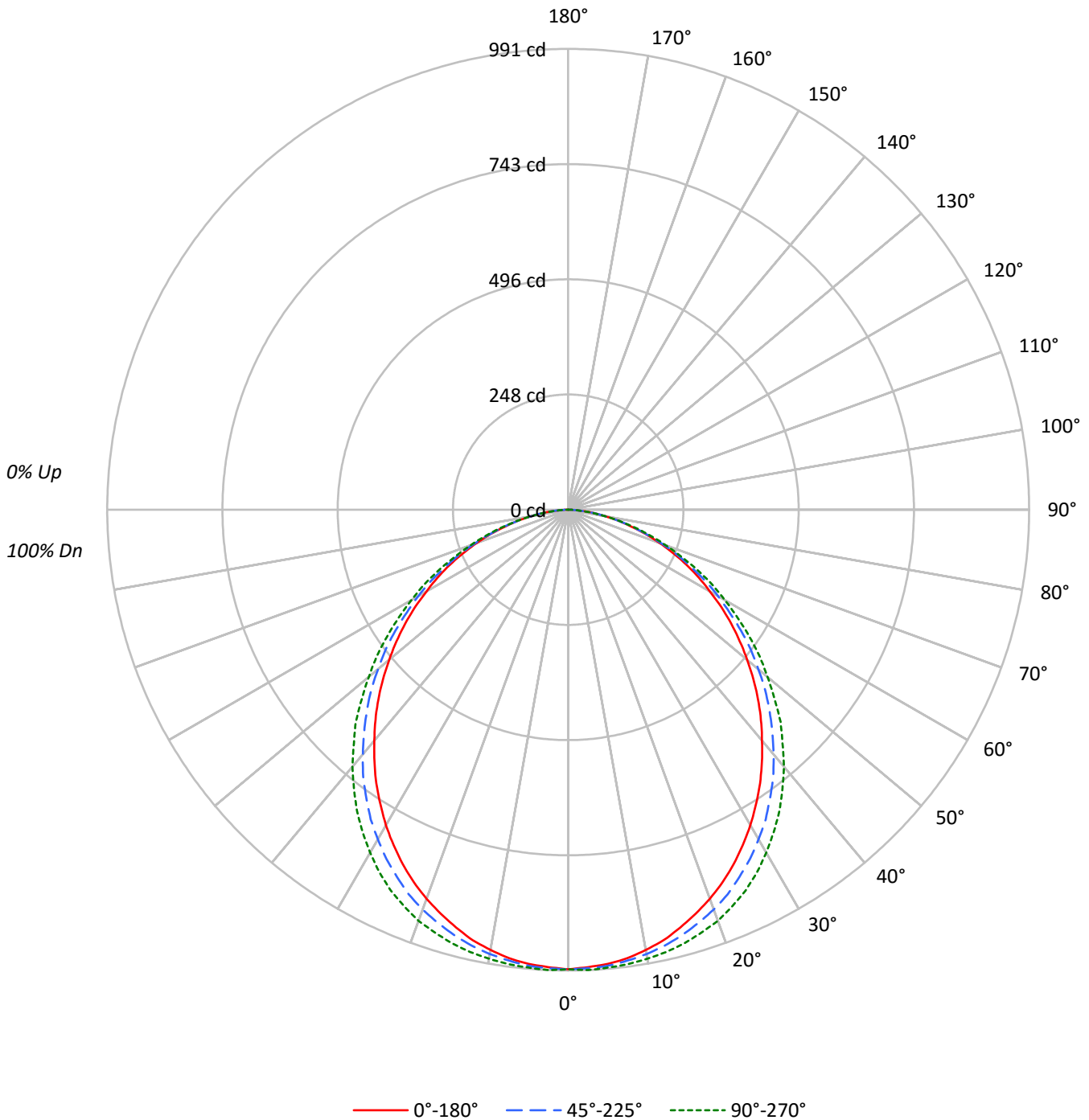
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	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	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2659	2659	2659
5°	2649	2659	2670
10°	2627	2651	2679
15°	2592	2639	2689
20°	2550	2620	2694
25°	2498	2586	2682
30°	2435	2542	2646
35°	2362	2485	2599
40°	2277	2413	2535
45°	2197	2329	2457
50°	2104	2233	2341
55°	2007	2128	2231
60°	1893	2004	2094
65°	1789	1854	1945
70°	1642	1693	1754
75°	1461	1500	1541
80°	1258	1238	1238
85°	954	874	797



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.5	3.6
10°-20°	267.2	10.3
20°-30°	401.2	15.5
30°-40°	472.2	18.2
40°-50°	471.0	18.2
50°-60°	404.2	15.6
60°-70°	289.5	11.2
70°-80°	153.3	5.9
80°-90°	35.8	1.4
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°	762.0	29.4
0°-40°	1234.2	47.7
0°-60°	2109.4	81.5
0°-90°	2588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	981	981	984	987	988	93
15°	930	934	947	960	965	262
25°	841	849	871	893	903	387
35°	719	728	756	782	791	449
45°	577	586	612	634	646	445
55°	428	434	454	469	476	382
65°	281	282	291	303	305	277
75°	140	140	144	147	148	151
85°	31	30	28	26	26	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.3	988.3	988.3	988.3	988.3
2.5°	984.5	984.5	987.0	989.6	990.9
5°	980.6	980.6	984.5	987.0	988.3
7.5°	972.9	972.9	978.0	983.2	985.8
10°	961.3	963.9	970.3	978.0	980.6
12.5°	948.4	951.0	960.0	970.3	974.2
15°	930.3	934.2	947.1	960.0	965.1
17.5°	911.0	916.2	931.6	947.1	953.5
20°	890.4	895.6	914.9	932.9	940.7
22.5°	867.2	873.7	895.6	914.9	922.6
25°	841.4	849.2	871.1	893.0	903.3
27.5°	813.1	822.1	846.6	869.8	878.8
30°	783.5	793.8	818.2	842.7	851.7
32.5°	751.2	760.3	789.9	813.1	822.1
35°	719.0	728.0	756.4	782.2	791.2
37.5°	684.2	695.8	724.2	747.4	756.4
40°	648.2	659.7	686.8	713.9	721.6
42.5°	613.4	623.7	649.4	673.9	681.7
45°	577.3	586.3	612.1	634.0	645.6
47.5°	539.9	548.9	574.7	595.3	601.8
50°	502.5	511.6	533.5	551.5	559.2
52.5°	465.2	474.2	494.8	511.6	519.3
55°	427.8	434.2	453.6	469.0	475.5
57.5°	390.4	395.6	411.1	427.8	431.7
60°	351.8	358.2	372.4	384.0	389.1
62.5°	317.0	319.6	332.5	342.8	349.2
65°	280.9	282.2	291.2	302.8	305.4
67.5°	243.5	244.8	253.8	260.3	262.9
70°	208.7	208.7	215.2	220.3	222.9
72.5°	175.2	174.0	177.8	183.0	185.6
75°	140.5	140.5	144.3	146.9	148.2
77.5°	110.8	108.2	110.8	113.4	113.4
80°	81.2	79.9	79.9	81.2	79.9
82.5°	55.4	54.1	55.4	52.8	51.5
85°	30.9	29.6	28.3	25.8	25.8
87.5°	10.3	9.0	9.0	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)