

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: P298144

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298144
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-25L83050-LD5-UNV-22-T1-W2A-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2428.0 lumens
Efficiency: N/A
Efficacy: 125.8 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

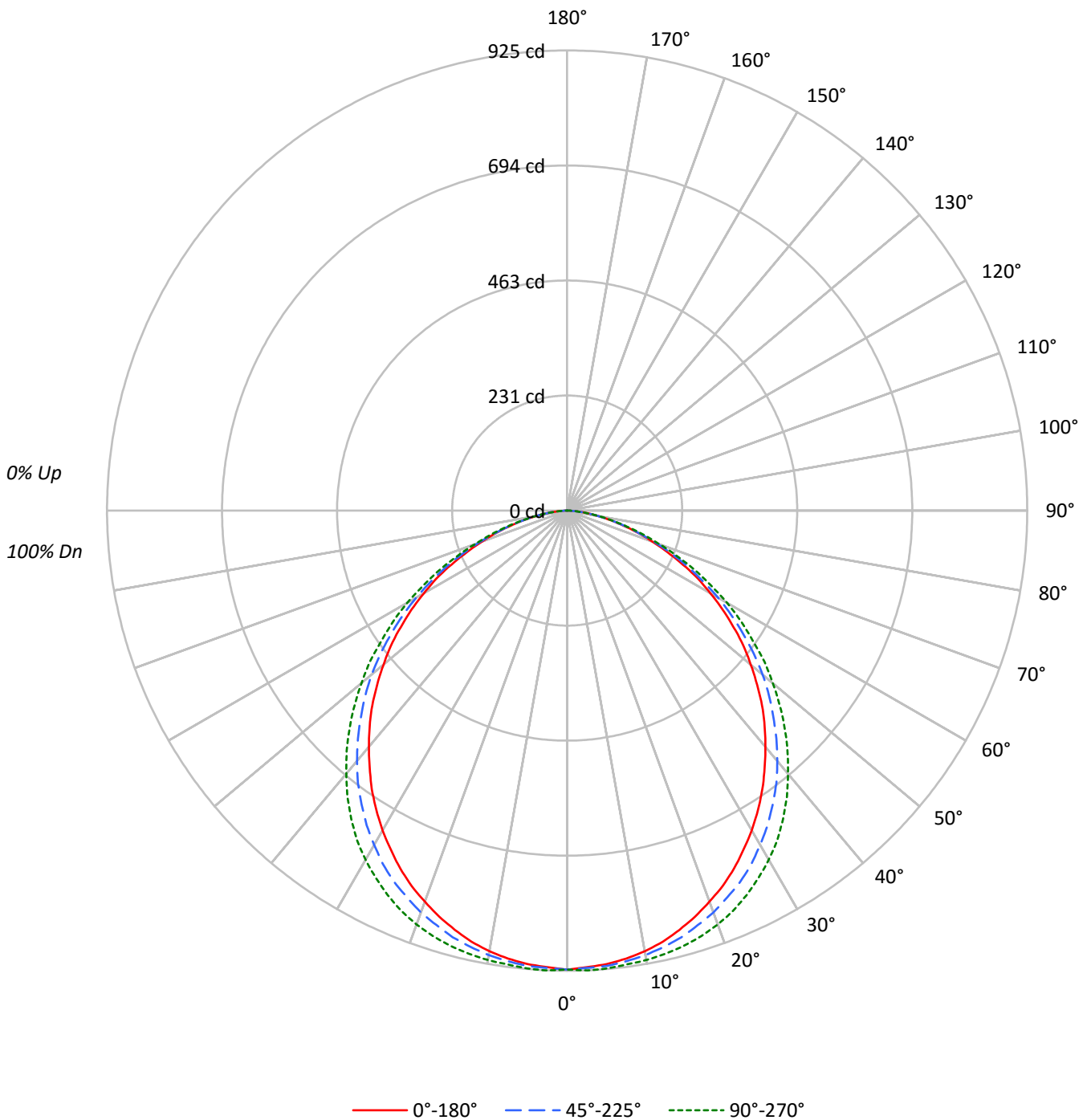
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298144

CATALOG NUMBER: D3X-WG-25L83050-LD5-UNV-22-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P298144

CATALOG NUMBER: D3X-WG-25L83050-LD5-UNV-22-T1-W2A-4000K

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°	2483	2483	2483
5°	2472	2482	2496
10°	2458	2479	2507
15°	2430	2474	2524
20°	2395	2462	2535
25°	2357	2445	2533
30°	2307	2411	2519
35°	2248	2367	2485
40°	2178	2309	2426
45°	2109	2231	2354
50°	2018	2147	2261
55°	1917	2025	2134
60°	1790	1886	1997
65°	1633	1706	1805
70°	1430	1490	1552
75°	1220	1246	1300
80°	978	998	1018
85°	716	676	636



TEST NUMBER: P298144

CATALOG NUMBER: D3X-WG-25L83050-LD5-UNV-22-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	3.6
10°-20°	250.7	10.3
20°-30°	379.0	15.6
30°-40°	450.1	18.5
40°-50°	451.9	18.6
50°-60°	386.0	15.9
60°-70°	265.9	11.0
70°-80°	128.9	5.3
80°-90°	28.2	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°	717.0	29.5
0°-40°	1167.1	48.1
0°-60°	2004.9	82.6
0°-90°	2428.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2428.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	923	923	923	923	923	
5°	915	915	919	921	924	87
15°	872	876	888	900	906	246
25°	794	800	824	845	853	365
35°	684	695	720	747	756	427
45°	554	562	586	611	619	427
55°	408	415	432	450	455	365
65°	256	256	268	280	284	254
75°	117	115	120	122	125	126
85°	23	23	22	21	21	28
90°	0	0	0	0	0	



TEST NUMBER: P298144

CATALOG NUMBER: D3X-WG-25L83050-LD5-UNV-22-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.7	922.7	922.7	922.7	922.7
2.5°	918.8	918.8	920.1	924.0	925.3
5°	915.0	915.0	918.8	921.4	924.0
7.5°	908.5	909.8	913.7	918.8	920.1
10°	899.5	900.8	907.2	913.7	917.5
12.5°	887.9	890.5	898.2	908.5	912.4
15°	872.4	876.3	887.9	899.5	905.9
17.5°	855.7	860.8	873.7	890.5	896.9
20°	836.4	842.8	859.6	877.6	885.3
22.5°	817.0	822.2	841.5	862.1	871.1
25°	793.8	800.3	823.5	845.4	853.1
27.5°	768.1	777.1	801.6	824.8	832.5
30°	742.3	750.0	775.8	801.6	810.6
32.5°	713.9	721.7	750.0	775.8	786.1
35°	684.3	694.6	720.4	747.4	756.5
37.5°	652.1	663.7	690.7	713.9	725.5
40°	619.9	630.2	657.2	681.7	690.7
42.5°	587.6	596.7	622.4	648.2	655.9
45°	554.1	561.9	586.3	610.8	618.6
47.5°	518.0	527.1	550.3	570.9	579.9
50°	482.0	491.0	512.9	532.2	540.0
52.5°	447.2	452.3	472.9	491.0	500.0
55°	408.5	415.0	431.7	449.7	454.9
57.5°	371.1	375.0	391.8	407.2	415.0
60°	332.5	335.1	350.5	362.1	371.1
62.5°	296.4	296.4	308.0	320.9	326.0
65°	256.4	256.4	268.0	279.6	283.5
67.5°	217.8	220.4	228.1	237.1	239.7
70°	181.7	181.7	189.4	195.9	197.2
72.5°	149.5	148.2	152.1	157.2	159.8
75°	117.3	114.7	119.8	122.4	125.0
77.5°	88.9	87.6	90.2	92.8	92.8
80°	63.1	61.9	64.4	64.4	65.7
82.5°	41.2	42.5	42.5	41.2	39.9
85°	23.2	23.2	21.9	20.6	20.6
87.5°	7.7	7.7	7.7	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)