

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: P298237

Luminaire Tested: **D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298237
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-35L93050-LD5-UNV-22-T1-W2A-3500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2823.0 lumens
Efficiency: N/A
Efficacy: 99.1 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

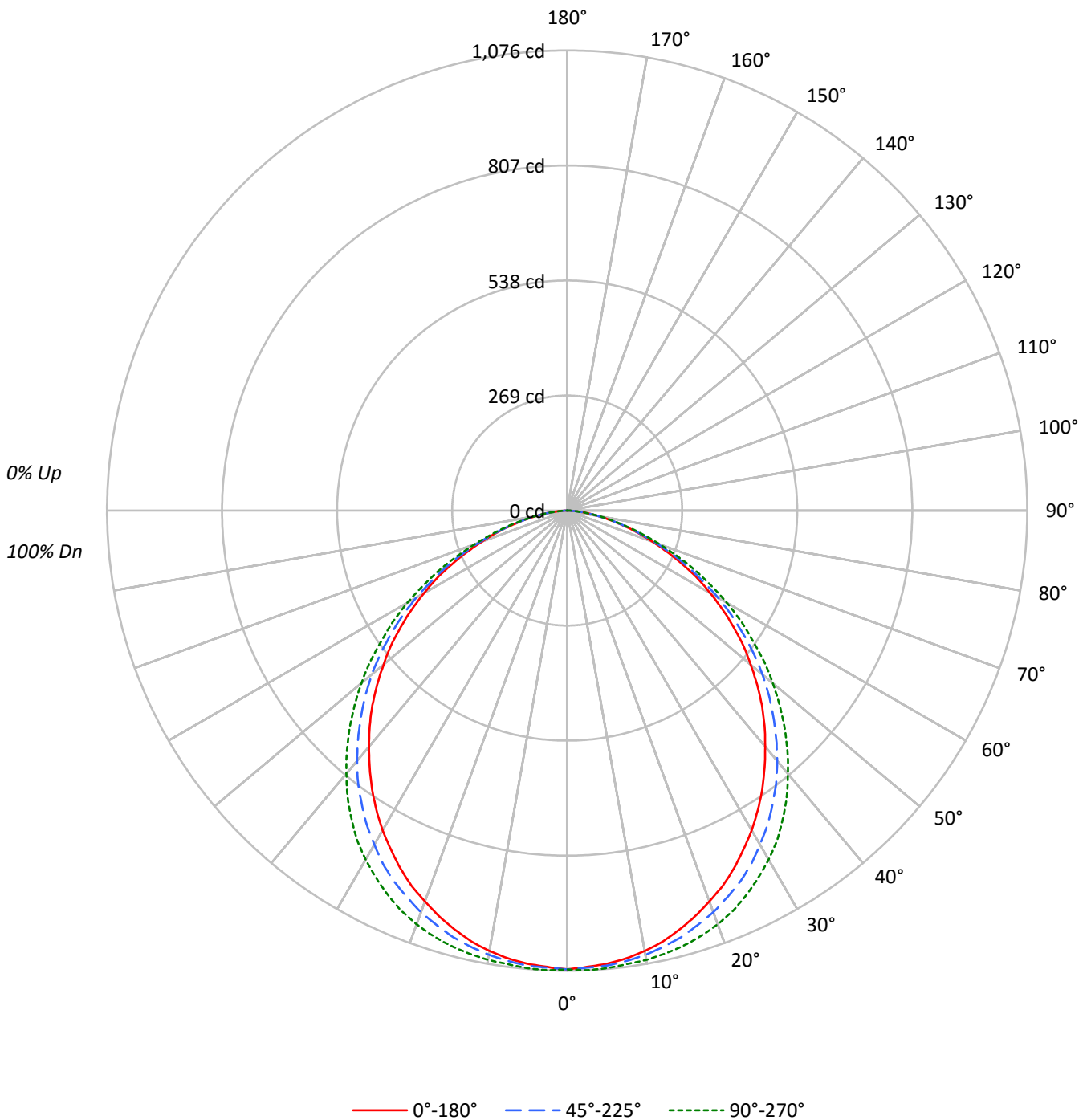
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298237

CATALOG NUMBER: D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P298237

CATALOG NUMBER: D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3500K

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°	2887	2887	2887
5°	2874	2886	2902
10°	2858	2882	2915
15°	2826	2876	2934
20°	2785	2862	2948
25°	2741	2843	2945
30°	2682	2803	2928
35°	2614	2752	2889
40°	2532	2684	2821
45°	2452	2594	2737
50°	2346	2496	2628
55°	2228	2355	2481
60°	2081	2193	2322
65°	1899	1985	2099
70°	1662	1733	1803
75°	1417	1448	1511
80°	1137	1161	1184
85°	834	787	741



TEST NUMBER: P298237

CATALOG NUMBER: D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.5	3.6
10°-20°	291.4	10.3
20°-30°	440.6	15.6
30°-40°	523.3	18.5
40°-50°	525.4	18.6
50°-60°	448.8	15.9
60°-70°	309.2	11.0
70°-80°	149.9	5.3
80°-90°	32.8	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°	833.6	29.5
0°-40°	1356.9	48.1
0°-60°	2331.1	82.6
0°-90°	2823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1073	1073	1073	1073	1073	
5°	1064	1064	1068	1071	1074	101
15°	1014	1019	1032	1046	1053	286
25°	923	930	957	983	992	425
35°	796	808	838	869	880	497
45°	644	653	682	710	719	496
55°	475	482	502	523	529	425
65°	298	298	312	325	330	295
75°	136	133	139	142	145	146
85°	27	27	26	24	24	33
90°	0	0	0	0	0	



TEST NUMBER: P298237

CATALOG NUMBER: D3X-WG-35L93050-LD5-UNV-22-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1072.8	1072.8	1072.8	1072.8	1072.8
2.5°	1068.3	1068.3	1069.8	1074.3	1075.8
5°	1063.8	1063.8	1068.3	1071.3	1074.3
7.5°	1056.3	1057.8	1062.3	1068.3	1069.8
10°	1045.8	1047.3	1054.8	1062.3	1066.8
12.5°	1032.3	1035.3	1044.3	1056.3	1060.8
15°	1014.4	1018.9	1032.3	1045.8	1053.3
17.5°	994.9	1000.9	1015.9	1035.3	1042.8
20°	972.4	979.9	999.4	1020.4	1029.4
22.5°	949.9	955.9	978.4	1002.4	1012.9
25°	923.0	930.5	957.4	982.9	991.9
27.5°	893.0	903.5	932.0	958.9	967.9
30°	863.0	872.0	902.0	932.0	942.4
32.5°	830.1	839.1	872.0	902.0	914.0
35°	795.6	807.6	837.6	869.0	879.5
37.5°	758.2	771.6	803.1	830.1	843.6
40°	720.7	732.7	764.1	792.6	803.1
42.5°	683.2	693.7	723.7	753.7	762.7
45°	644.3	653.3	681.7	710.2	719.2
47.5°	602.3	612.8	639.8	663.8	674.2
50°	560.4	570.9	596.3	618.8	627.8
52.5°	519.9	525.9	549.9	570.9	581.4
55°	475.0	482.5	501.9	522.9	528.9
57.5°	431.5	436.0	455.5	473.5	482.5
60°	386.6	389.6	407.5	421.0	431.5
62.5°	344.6	344.6	358.1	373.1	379.1
65°	298.2	298.2	311.7	325.1	329.6
67.5°	253.2	256.2	265.2	275.7	278.7
70°	211.3	211.3	220.3	227.7	229.2
72.5°	173.8	172.3	176.8	182.8	185.8
75°	136.3	133.4	139.3	142.3	145.3
77.5°	103.4	101.9	104.9	107.9	107.9
80°	73.4	71.9	74.9	74.9	76.4
82.5°	47.9	49.4	49.4	47.9	46.4
85°	27.0	27.0	25.5	24.0	24.0
87.5°	9.0	9.0	9.0	10.5	10.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)