

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: P298280

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298280
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-35L92765-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: 2842.0 lumens
Efficiency: N/A
Efficacy: 101.5 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

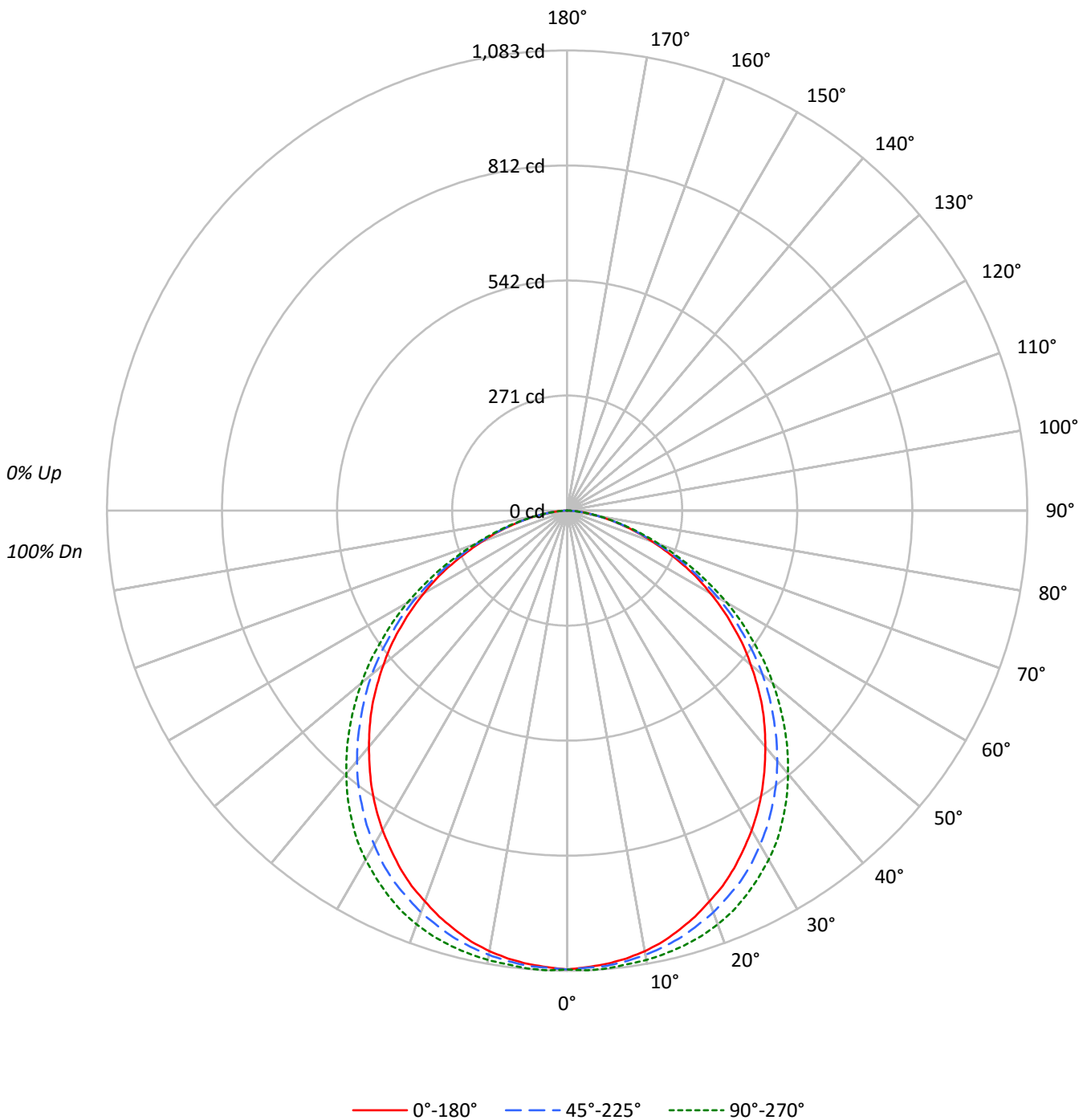
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298280

CATALOG NUMBER: D3X-WG-35L92765-LD5-UNV-22-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P298280

CATALOG NUMBER: D3X-WG-35L92765-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	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					100			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2906	2906	2906
5°	2893	2905	2921
10°	2877	2902	2935
15°	2845	2895	2954
20°	2804	2881	2968
25°	2759	2862	2965
30°	2700	2822	2948
35°	2631	2770	2909
40°	2549	2702	2840
45°	2468	2612	2755
50°	2362	2513	2646
55°	2244	2371	2498
60°	2095	2208	2338
65°	1911	1998	2113
70°	1674	1744	1816
75°	1428	1459	1521
80°	1145	1168	1192
85°	840	790	744



TEST NUMBER: P298280

CATALOG NUMBER: D3X-WG-35L92765-LD5-UNV-22-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.6
10°-20°	293.4	10.3
20°-30°	443.6	15.6
30°-40°	526.9	18.5
40°-50°	528.9	18.6
50°-60°	451.8	15.9
60°-70°	311.3	11.0
70°-80°	150.9	5.3
80°-90°	33.0	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°	839.2	29.5
0°-40°	1366.1	48.1
0°-60°	2346.8	82.6
0°-90°	2842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1080	1080	1080	1080	1080	
5°	1071	1071	1076	1078	1082	102
15°	1021	1026	1039	1053	1060	288
25°	929	937	964	990	999	428
35°	801	813	843	875	885	500
45°	649	658	686	715	724	499
55°	478	486	505	526	532	427
65°	300	300	314	327	332	297
75°	137	134	140	143	146	147
85°	27	27	26	24	24	33
90°	0	0	0	0	0	



TEST NUMBER: P298280

CATALOG NUMBER: D3X-WG-35L92765-LD5-UNV-22-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1080.0	1080.0	1080.0	1080.0	1080.0
2.5°	1075.5	1075.5	1077.0	1081.5	1083.0
5°	1071.0	1071.0	1075.5	1078.5	1081.5
7.5°	1063.4	1064.9	1069.5	1075.5	1077.0
10°	1052.9	1054.4	1061.9	1069.5	1074.0
12.5°	1039.3	1042.3	1051.4	1063.4	1068.0
15°	1021.2	1025.7	1039.3	1052.9	1060.4
17.5°	1001.6	1007.6	1022.7	1042.3	1049.9
20°	979.0	986.5	1006.1	1027.2	1036.3
22.5°	956.3	962.4	985.0	1009.1	1019.7
25°	929.2	936.7	963.9	989.5	998.6
27.5°	899.0	909.6	938.2	965.4	974.4
30°	868.8	877.9	908.1	938.2	948.8
32.5°	835.7	844.7	877.9	908.1	920.1
35°	801.0	813.0	843.2	874.9	885.4
37.5°	763.3	776.8	808.5	835.7	849.2
40°	725.5	737.6	769.3	798.0	808.5
42.5°	687.8	698.4	728.6	758.7	767.8
45°	648.6	657.7	686.3	715.0	724.0
47.5°	606.4	616.9	644.1	668.2	678.8
50°	564.1	574.7	600.3	623.0	632.0
52.5°	523.4	529.5	553.6	574.7	585.3
55°	478.2	485.7	505.3	526.4	532.5
57.5°	434.4	438.9	458.6	476.7	485.7
60°	389.2	392.2	410.3	423.9	434.4
62.5°	346.9	346.9	360.5	375.6	381.6
65°	300.2	300.2	313.8	327.3	331.9
67.5°	254.9	257.9	267.0	277.5	280.6
70°	212.7	212.7	221.7	229.3	230.8
72.5°	175.0	173.5	178.0	184.0	187.0
75°	137.3	134.2	140.3	143.3	146.3
77.5°	104.1	102.6	105.6	108.6	108.6
80°	73.9	72.4	75.4	75.4	76.9
82.5°	48.3	49.8	49.8	48.3	46.8
85°	27.2	27.2	25.6	24.1	24.1
87.5°	9.1	9.1	9.1	10.6	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)