

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: P298281

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298281
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-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2933.0 lumens
Efficiency: N/A
Efficacy: 103.6 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

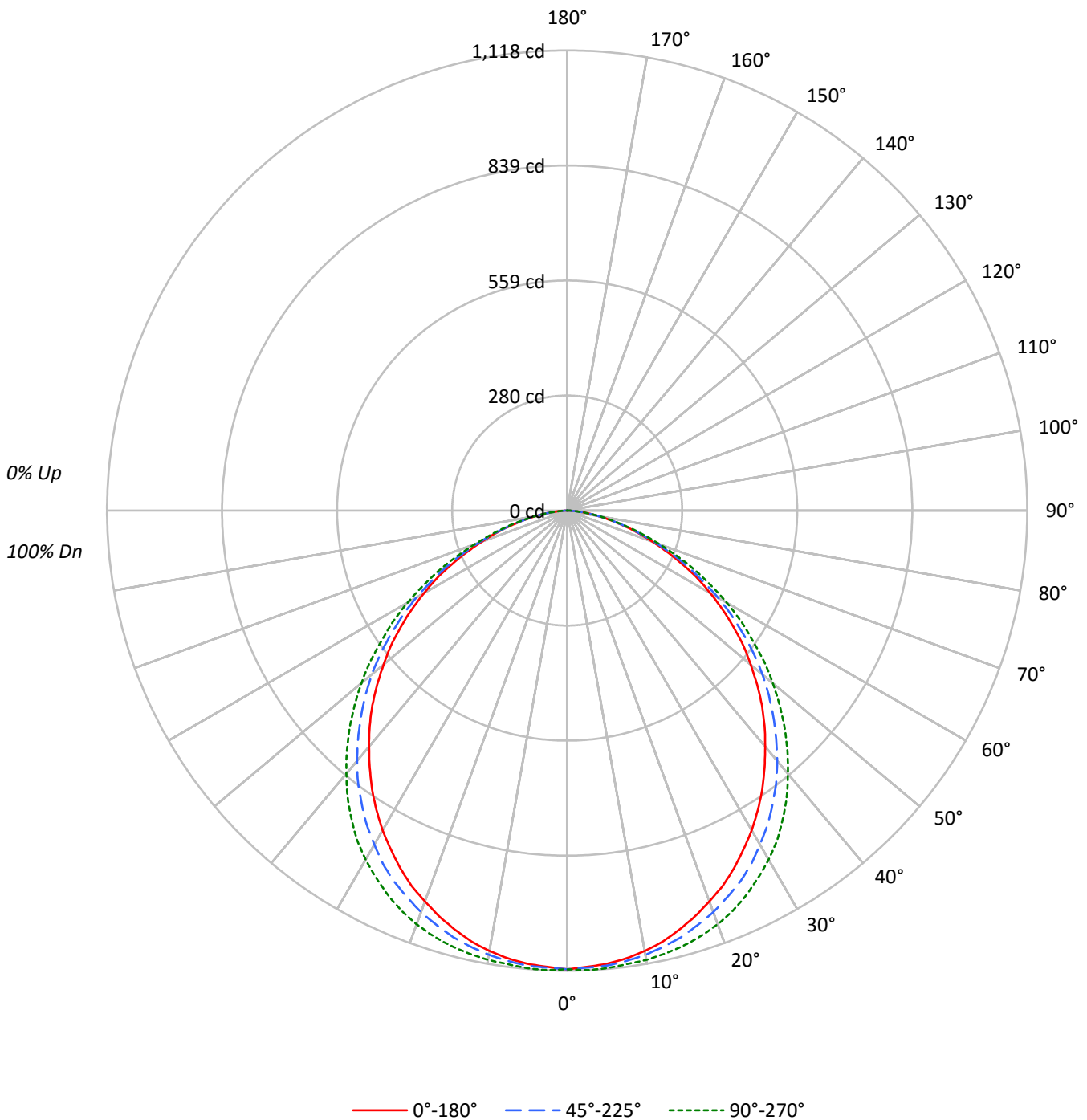
Input Watts (W): 28.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2999	2999	2999
5°	2986	2998	3015
10°	2969	2995	3029
15°	2936	2988	3049
20°	2893	2973	3063
25°	2847	2953	3060
30°	2786	2912	3043
35°	2715	2859	3002
40°	2630	2789	2931
45°	2547	2696	2844
50°	2437	2594	2731
55°	2315	2447	2578
60°	2161	2279	2413
65°	1973	2062	2181
70°	1727	1800	1874
75°	1473	1506	1570
80°	1182	1206	1230
85°	865	818	769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	3.6
10°-20°	302.8	10.3
20°-30°	457.8	15.6
30°-40°	543.7	18.5
40°-50°	545.9	18.6
50°-60°	466.3	15.9
60°-70°	321.2	11.0
70°-80°	155.8	5.3
80°-90°	34.1	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°	866.1	29.5
0°-40°	1409.8	48.1
0°-60°	2421.9	82.6
0°-90°	2933.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2933.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1105	1105	1110	1113	1116	105
15°	1054	1059	1073	1087	1094	297
25°	959	967	995	1021	1030	441
35°	827	839	870	903	914	516
45°	669	679	708	738	747	515
55°	494	501	522	543	550	441
65°	310	310	324	338	342	307
75°	142	138	145	148	151	152
85°	28	28	26	25	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.6	1114.6	1114.6	1114.6	1114.6
2.5°	1109.9	1109.9	1111.5	1116.2	1117.7
5°	1105.3	1105.3	1109.9	1113.1	1116.2
7.5°	1097.5	1099.0	1103.7	1109.9	1111.5
10°	1086.6	1088.1	1095.9	1103.7	1108.4
12.5°	1072.6	1075.7	1085.0	1097.5	1102.2
15°	1053.9	1058.6	1072.6	1086.6	1094.4
17.5°	1033.7	1039.9	1055.5	1075.7	1083.5
20°	1010.3	1018.1	1038.3	1060.1	1069.5
22.5°	987.0	993.2	1016.5	1041.4	1052.3
25°	958.9	966.7	994.7	1021.2	1030.5
27.5°	927.8	938.7	968.3	996.3	1005.6
30°	896.7	906.0	937.1	968.3	979.2
32.5°	862.4	871.8	906.0	937.1	949.6
35°	826.6	839.1	870.2	902.9	913.8
37.5°	787.7	801.7	834.4	862.4	876.4
40°	748.8	761.2	793.9	823.5	834.4
42.5°	709.9	720.8	751.9	783.0	792.4
45°	669.4	678.7	708.3	737.9	747.2
47.5°	625.8	636.7	664.7	689.6	700.5
50°	582.2	593.1	619.6	642.9	652.3
52.5°	540.2	546.4	571.3	593.1	604.0
55°	493.5	501.3	521.5	543.3	549.5
57.5°	448.3	453.0	473.2	491.9	501.3
60°	401.6	404.7	423.4	437.4	448.3
62.5°	358.0	358.0	372.1	387.6	393.8
65°	309.8	309.8	323.8	337.8	342.5
67.5°	263.1	266.2	275.5	286.4	289.5
70°	219.5	219.5	228.8	236.6	238.2
72.5°	180.6	179.0	183.7	189.9	193.0
75°	141.7	138.5	144.8	147.9	151.0
77.5°	107.4	105.9	109.0	112.1	112.1
80°	76.3	74.7	77.8	77.8	79.4
82.5°	49.8	51.4	51.4	49.8	48.3
85°	28.0	28.0	26.5	24.9	24.9
87.5°	9.3	9.3	9.3	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)