

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: P298283

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298283
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-5000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3070.0 lumens
Efficiency: N/A
Efficacy: 107.3 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

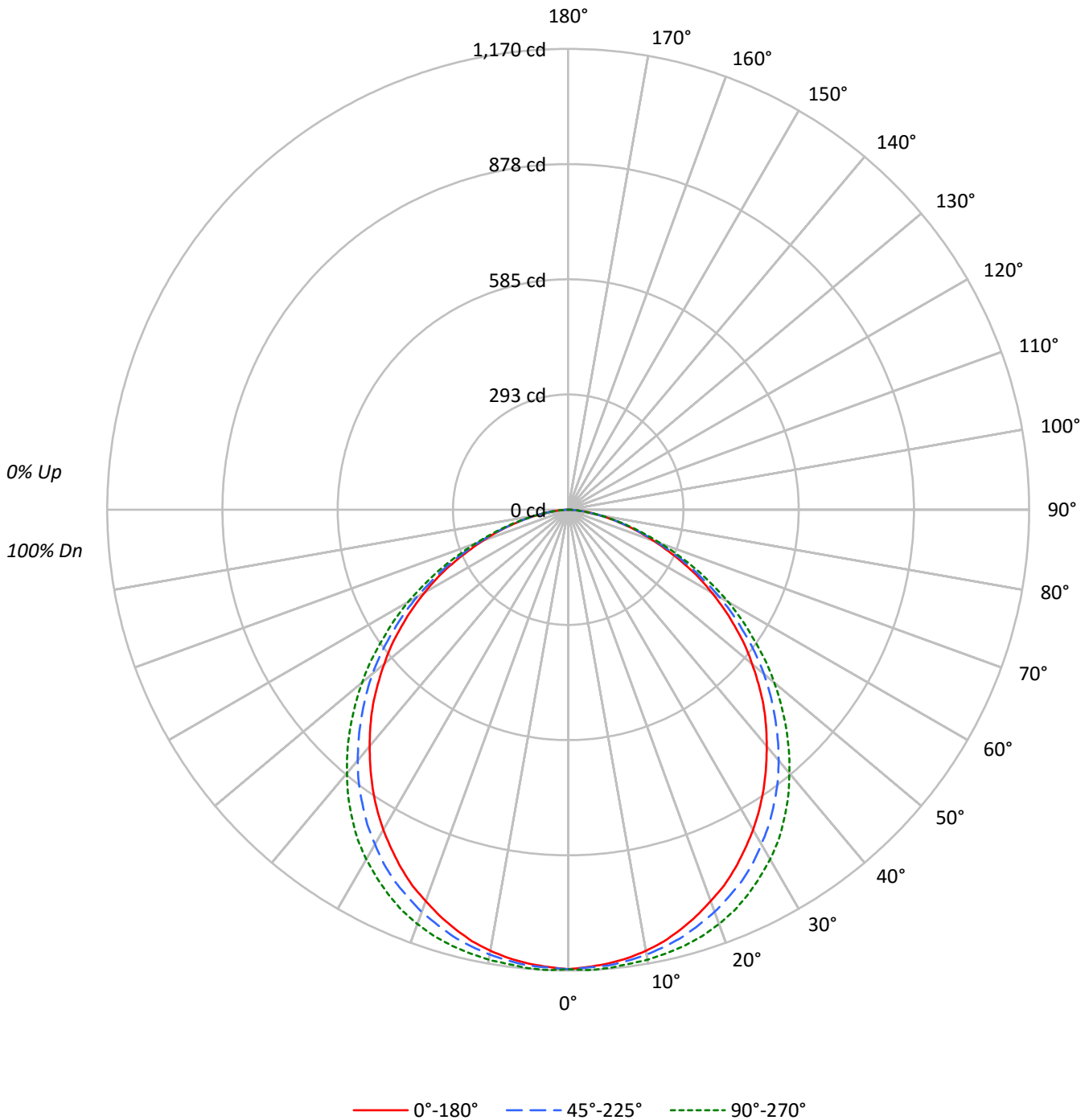
Input Watts (W): 28.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3140	3140	3140
5°	3125	3138	3156
10°	3108	3134	3170
15°	3073	3128	3191
20°	3028	3112	3206
25°	2980	3091	3203
30°	2916	3048	3185
35°	2842	2992	3142
40°	2753	2919	3068
45°	2667	2821	2976
50°	2551	2715	2858
55°	2423	2561	2699
60°	2263	2385	2526
65°	2065	2158	2283
70°	1807	1884	1961
75°	1542	1575	1644
80°	1237	1263	1288
85°	905	855	806



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.4	3.6
10°-20°	316.9	10.3
20°-30°	479.1	15.6
30°-40°	569.1	18.5
40°-50°	571.4	18.6
50°-60°	488.0	15.9
60°-70°	336.2	11.0
70°-80°	163.0	5.3
80°-90°	35.7	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°	906.5	29.5
0°-40°	1475.7	48.1
0°-60°	2535.1	82.6
0°-90°	3070.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3070.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1157	1157	1162	1165	1168	110
15°	1103	1108	1123	1137	1146	311
25°	1004	1012	1041	1069	1079	462
35°	865	878	911	945	956	540
45°	701	710	741	772	782	539
55°	516	525	546	569	575	462
65°	324	324	339	354	358	321
75°	148	145	152	155	158	159
85°	29	29	28	26	26	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1166.7	1166.7	1166.7	1166.7	1166.7
2.5°	1161.8	1161.8	1163.4	1168.3	1169.9
5°	1156.9	1156.9	1161.8	1165.0	1168.3
7.5°	1148.7	1150.4	1155.3	1161.8	1163.4
10°	1137.3	1139.0	1147.1	1155.3	1160.2
12.5°	1122.7	1125.9	1135.7	1148.7	1153.6
15°	1103.1	1108.0	1122.7	1137.3	1145.5
17.5°	1081.9	1088.5	1104.8	1125.9	1134.1
20°	1057.5	1065.6	1086.8	1109.6	1119.4
22.5°	1033.1	1039.6	1064.0	1090.1	1101.5
25°	1003.7	1011.9	1041.2	1068.9	1078.7
27.5°	971.1	982.5	1013.5	1042.8	1052.6
30°	938.6	948.3	980.9	1013.5	1024.9
32.5°	902.7	912.5	948.3	980.9	994.0
35°	865.2	878.3	910.9	945.1	956.5
37.5°	824.5	839.2	873.4	902.7	917.4
40°	783.8	796.8	831.0	862.0	873.4
42.5°	743.0	754.4	787.0	819.6	829.4
45°	700.7	710.4	741.4	772.3	782.1
47.5°	655.0	666.4	695.8	721.8	733.2
50°	609.4	620.8	648.5	673.0	682.7
52.5°	565.4	571.9	598.0	620.8	632.2
55°	516.5	524.7	545.9	568.7	575.2
57.5°	469.3	474.2	495.3	514.9	524.7
60°	420.4	423.7	443.2	457.9	469.3
62.5°	374.8	374.8	389.4	405.7	412.2
65°	324.3	324.3	338.9	353.6	358.5
67.5°	275.4	278.6	288.4	299.8	303.1
70°	229.7	229.7	239.5	247.7	249.3
72.5°	189.0	187.4	192.3	198.8	202.0
75°	148.3	145.0	151.5	154.8	158.1
77.5°	112.4	110.8	114.1	117.3	117.3
80°	79.8	78.2	81.5	81.5	83.1
82.5°	52.1	53.8	53.8	52.1	50.5
85°	29.3	29.3	27.7	26.1	26.1
87.5°	9.8	9.8	9.8	11.4	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)