

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: P298286

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298286
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-6500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3152.0 lumens
Efficiency: N/A
Efficacy: 107.9 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

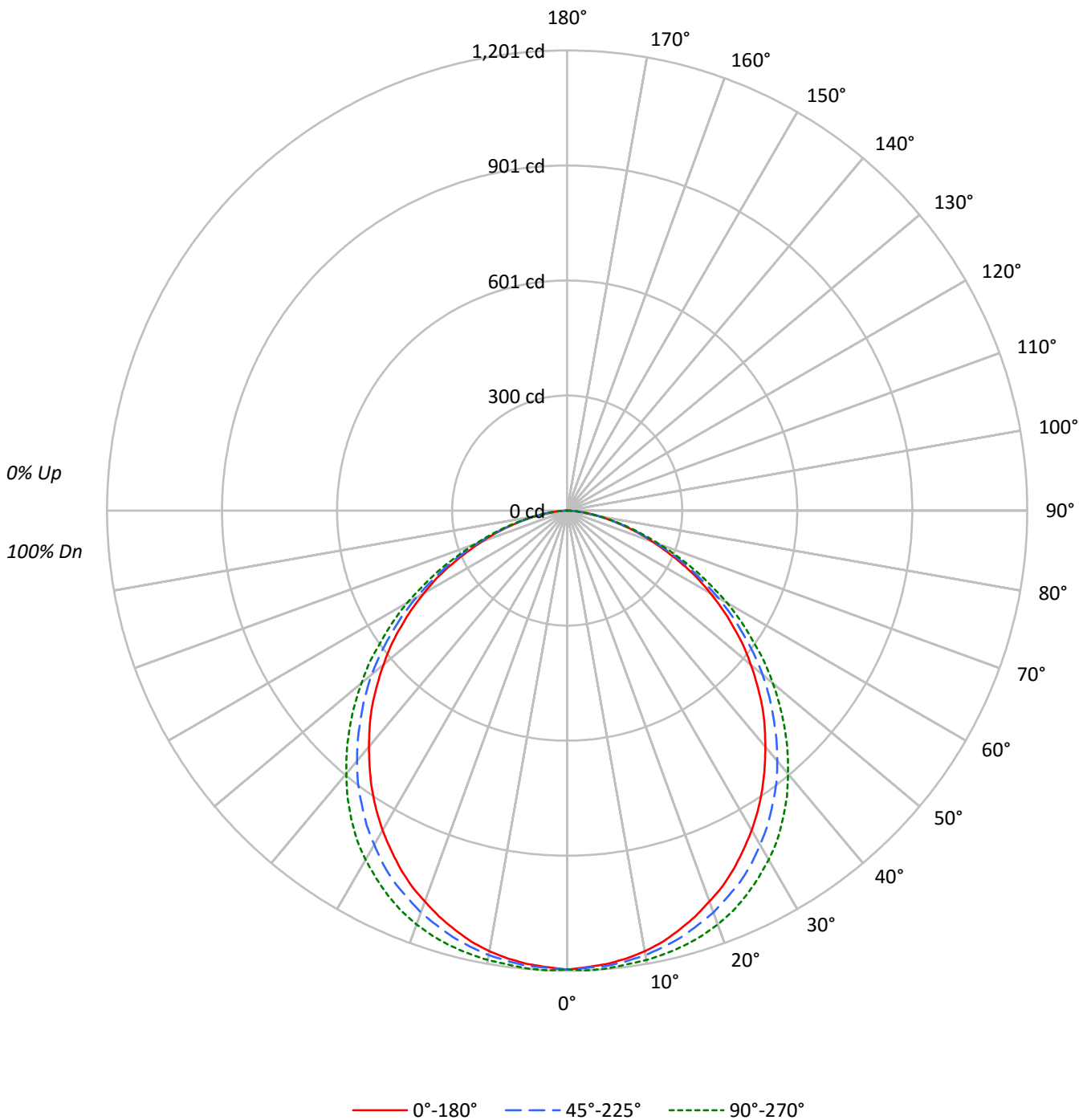
Input Watts (W): 29.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3223	3223	3223
5°	3209	3222	3240
10°	3191	3218	3255
15°	3155	3211	3277
20°	3109	3196	3291
25°	3060	3174	3288
30°	2994	3129	3270
35°	2918	3072	3226
40°	2827	2997	3150
45°	2738	2897	3056
50°	2619	2787	2935
55°	2488	2629	2771
60°	2323	2449	2593
65°	2120	2216	2343
70°	1856	1935	2014
75°	1582	1618	1687
80°	1271	1296	1322
85°	929	877	827



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	3.6
10°-20°	325.4	10.3
20°-30°	491.9	15.6
30°-40°	584.3	18.5
40°-50°	586.6	18.6
50°-60°	501.1	15.9
60°-70°	345.2	11.0
70°-80°	167.4	5.3
80°-90°	36.6	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°	930.7	29.5
0°-40°	1515.1	48.1
0°-60°	2602.8	82.6
0°-90°	3152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1188	1188	1193	1196	1200	113
15°	1133	1138	1153	1168	1176	319
25°	1030	1039	1069	1098	1108	474
35°	888	902	935	970	982	555
45°	719	729	761	793	803	554
55°	530	539	560	584	591	474
65°	333	333	348	363	368	330
75°	152	149	156	159	162	164
85°	30	30	28	27	27	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1197.8	1197.8	1197.8	1197.8	1197.8
2.5°	1192.8	1192.8	1194.5	1199.5	1201.2
5°	1187.8	1187.8	1192.8	1196.2	1199.5
7.5°	1179.4	1181.1	1186.1	1192.8	1194.5
10°	1167.7	1169.4	1177.8	1186.1	1191.1
12.5°	1152.7	1156.0	1166.0	1179.4	1184.4
15°	1132.6	1137.6	1152.7	1167.7	1176.1
17.5°	1110.8	1117.5	1134.3	1156.0	1164.4
20°	1085.7	1094.1	1115.9	1139.3	1149.3
22.5°	1060.7	1067.3	1092.4	1119.2	1130.9
25°	1030.5	1038.9	1069.0	1097.5	1107.5
27.5°	997.1	1008.8	1040.6	1070.7	1080.7
30°	963.6	973.7	1007.1	1040.6	1052.3
32.5°	926.8	936.9	973.7	1007.1	1020.5
35°	888.3	901.7	935.2	970.3	982.0
37.5°	846.5	861.6	896.7	926.8	941.9
40°	804.7	818.1	853.2	885.0	896.7
42.5°	762.9	774.6	808.0	841.5	851.5
45°	719.4	729.4	761.2	793.0	803.0
47.5°	672.5	684.2	714.3	741.1	752.8
50°	625.7	637.4	665.8	690.9	701.0
52.5°	580.5	587.2	614.0	637.4	649.1
55°	530.3	538.7	560.4	583.9	590.6
57.5°	481.8	486.8	508.6	528.7	538.7
60°	431.6	435.0	455.0	470.1	481.8
62.5°	384.8	384.8	399.8	416.6	423.3
65°	332.9	332.9	348.0	363.0	368.0
67.5°	282.7	286.1	296.1	307.8	311.2
70°	235.9	235.9	245.9	254.3	256.0
72.5°	194.1	192.4	197.4	204.1	207.4
75°	152.2	148.9	155.6	158.9	162.3
77.5°	115.4	113.8	117.1	120.5	120.5
80°	82.0	80.3	83.6	83.6	85.3
82.5°	53.5	55.2	55.2	53.5	51.9
85°	30.1	30.1	28.4	26.8	26.8
87.5°	10.0	10.0	10.0	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)