

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: P298282

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298282
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-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3009.0 lumens
Efficiency: N/A
Efficacy: 105.6 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

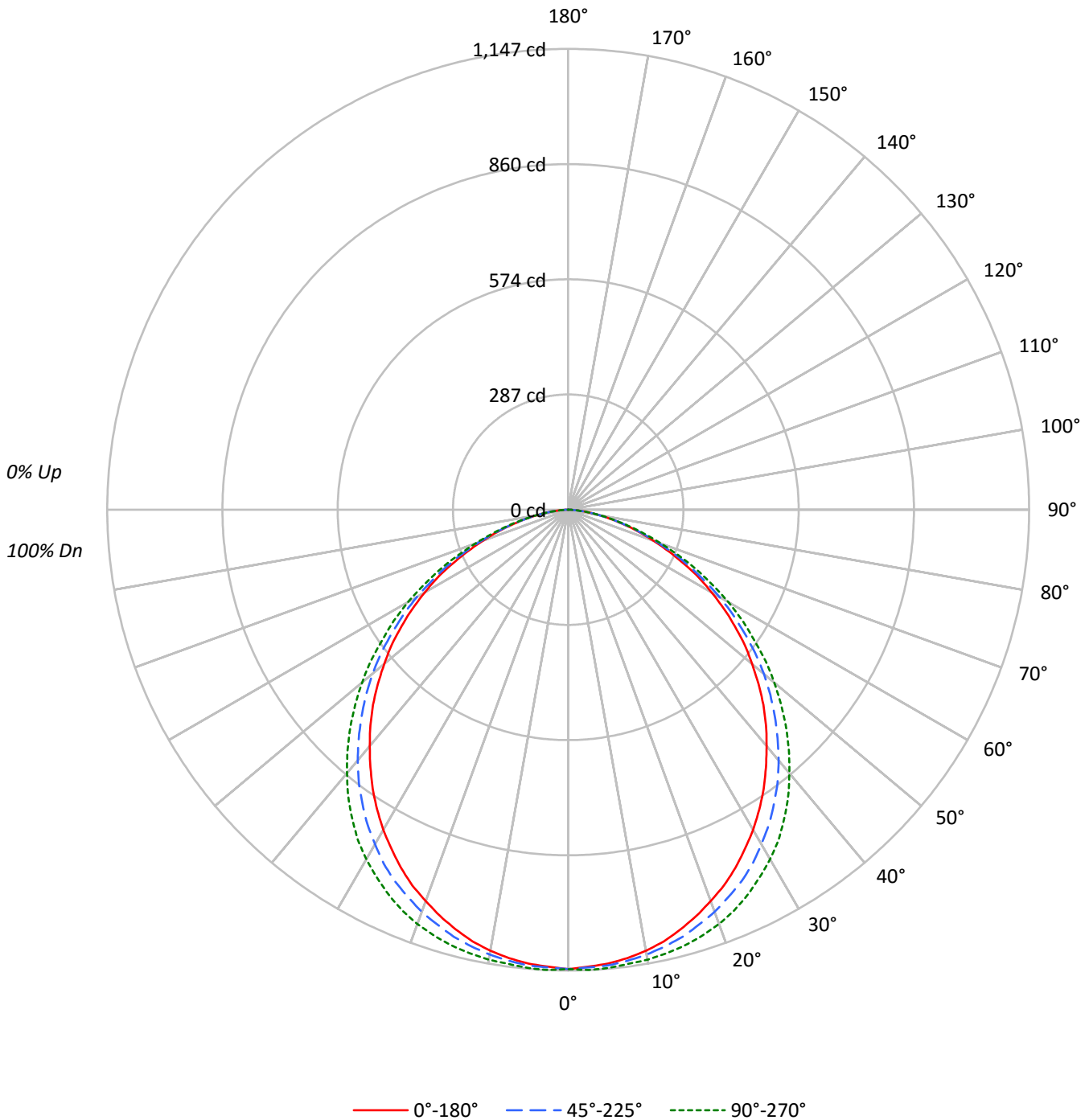
Input Watts (W): 28.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3077	3077	3077
5°	3063	3076	3093
10°	3046	3072	3107
15°	3012	3066	3128
20°	2968	3050	3142
25°	2921	3030	3139
30°	2858	2987	3121
35°	2786	2933	3080
40°	2699	2861	3007
45°	2613	2766	2917
50°	2501	2661	2802
55°	2375	2510	2645
60°	2217	2338	2476
65°	2024	2115	2238
70°	1772	1847	1922
75°	1511	1544	1611
80°	1213	1238	1261
85°	886	837	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.2	3.6
10°-20°	310.6	10.3
20°-30°	469.6	15.6
30°-40°	557.8	18.5
40°-50°	560.0	18.6
50°-60°	478.4	15.9
60°-70°	329.6	11.0
70°-80°	159.8	5.3
80°-90°	35.0	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°	888.5	29.5
0°-40°	1446.3	48.1
0°-60°	2484.7	82.6
0°-90°	3009.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3009.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1144	1144	1144	1144	1144	
5°	1134	1134	1139	1142	1145	108
15°	1081	1086	1100	1115	1123	305
25°	984	992	1020	1048	1057	453
35°	848	861	893	926	938	530
45°	687	696	727	757	767	529
55°	506	514	535	557	564	453
65°	318	318	332	347	351	315
75°	145	142	148	152	155	156
85°	29	29	27	26	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1143.5	1143.5	1143.5	1143.5	1143.5
2.5°	1138.7	1138.7	1140.3	1145.1	1146.7
5°	1133.9	1133.9	1138.7	1141.9	1145.1
7.5°	1125.9	1127.5	1132.3	1138.7	1140.3
10°	1114.7	1116.3	1124.3	1132.3	1137.1
12.5°	1100.4	1103.6	1113.1	1125.9	1130.7
15°	1081.2	1086.0	1100.4	1114.7	1122.7
17.5°	1060.4	1066.8	1082.8	1103.6	1111.5
20°	1036.5	1044.5	1065.2	1087.6	1097.2
22.5°	1012.5	1018.9	1042.9	1068.4	1079.6
25°	983.8	991.8	1020.5	1047.7	1057.2
27.5°	951.8	963.0	993.4	1022.1	1031.7
30°	919.9	929.5	961.4	993.4	1004.5
32.5°	884.8	894.3	929.5	961.4	974.2
35°	848.0	860.8	892.8	926.3	937.5
37.5°	808.1	822.5	856.0	884.8	899.1
40°	768.2	781.0	814.5	844.8	856.0
42.5°	728.3	739.4	771.4	803.3	812.9
45°	686.7	696.3	726.7	757.0	766.6
47.5°	642.0	653.2	681.9	707.5	718.7
50°	597.3	608.5	635.6	659.6	669.2
52.5°	554.2	560.6	586.1	608.5	619.7
55°	506.3	514.3	535.0	557.4	563.8
57.5°	460.0	464.7	485.5	504.7	514.3
60°	412.0	415.2	434.4	448.8	460.0
62.5°	367.3	367.3	381.7	397.7	404.1
65°	317.8	317.8	332.2	346.6	351.4
67.5°	269.9	273.1	282.7	293.9	297.1
70°	225.2	225.2	234.8	242.8	244.3
72.5°	185.3	183.7	188.5	194.8	198.0
75°	145.3	142.1	148.5	151.7	154.9
77.5°	110.2	108.6	111.8	115.0	115.0
80°	78.3	76.7	79.9	79.9	81.4
82.5°	51.1	52.7	52.7	51.1	49.5
85°	28.7	28.7	27.1	25.6	25.6
87.5°	9.6	9.6	9.6	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)