

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: P298115

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L92765-LD5-UNV-22-T1-W2A-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3028.0 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

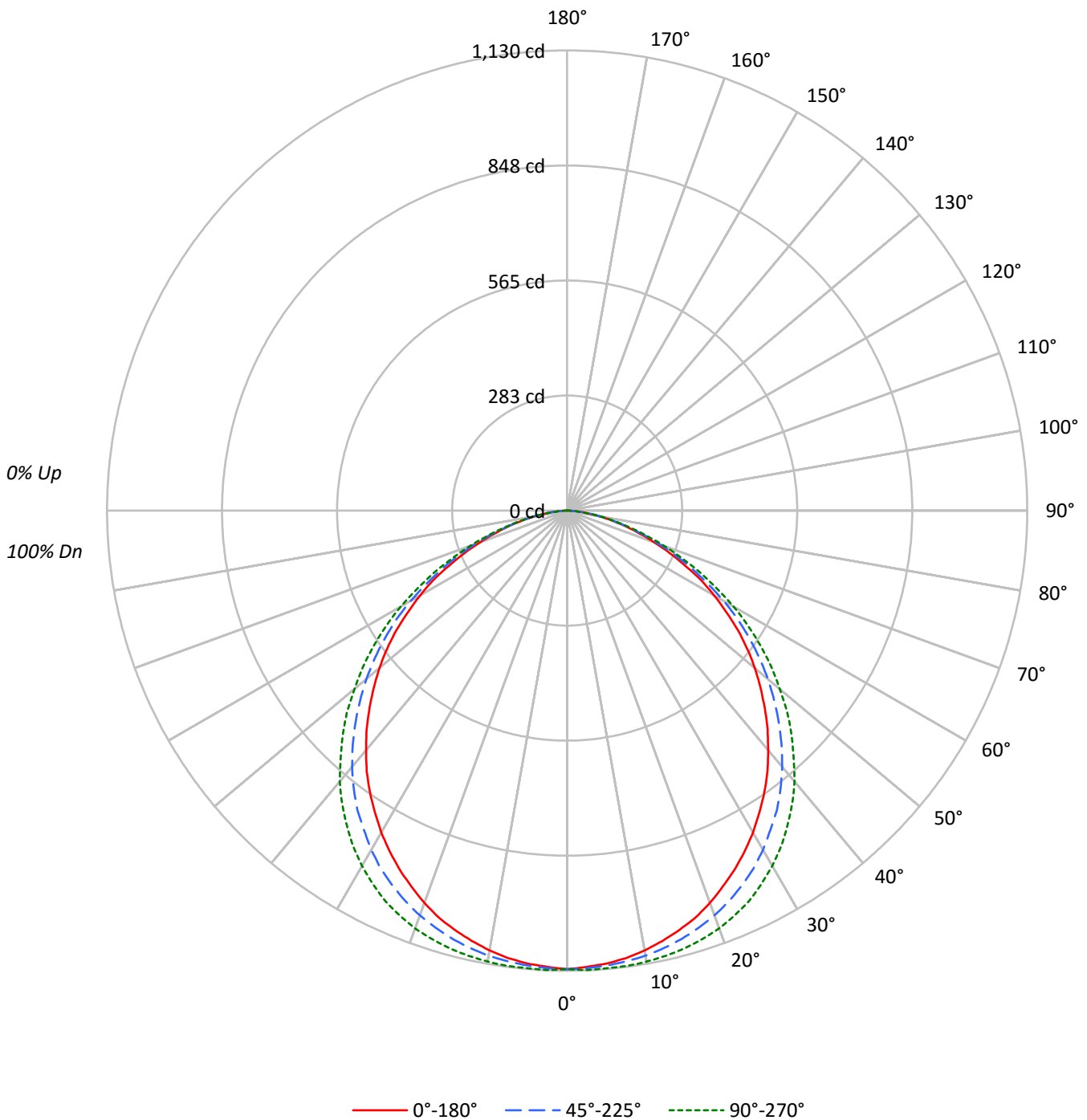
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	81	77		83	79	75		80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3031	3031	3031
5°	3016	3029	3047
10°	2997	3033	3073
15°	2969	3033	3101
20°	2936	3029	3127
25°	2889	3015	3141
30°	2836	2988	3130
35°	2774	2950	3100
40°	2697	2886	3052
45°	2611	2798	2965
50°	2518	2695	2852
55°	2401	2562	2722
60°	2245	2386	2544
65°	2034	2159	2294
70°	1795	1885	1987
75°	1542	1576	1644
80°	1238	1263	1288
85°	905	806	806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.7	3.5
10°-20°	307.4	10.2
20°-30°	467.6	15.4
30°-40°	559.5	18.5
40°-50°	565.6	18.7
50°-60°	486.7	16.1
60°-70°	336.1	11.1
70°-80°	163.0	5.4
80°-90°	35.4	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°	881.8	29.1
0°-40°	1441.3	47.6
0°-60°	2493.7	82.4
0°-90°	3028.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3028.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1116	1118	1121	1126	1128	106
15°	1066	1072	1089	1105	1113	301
25°	973	984	1015	1046	1058	448
35°	844	859	898	931	944	528
45°	686	699	735	766	779	529
55°	512	520	546	570	580	456
65°	320	324	339	354	360	318
75°	148	145	152	156	158	157
85°	29	29	26	26	26	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1126.2	1126.2	1126.2	1126.2	1126.2
2.5°	1121.3	1121.3	1124.6	1127.9	1129.5
5°	1116.5	1118.1	1121.3	1126.2	1127.9
7.5°	1108.3	1109.9	1116.5	1124.6	1127.9
10°	1096.9	1100.2	1109.9	1119.7	1124.6
12.5°	1082.2	1088.8	1100.2	1113.2	1119.7
15°	1065.9	1072.5	1088.8	1105.0	1113.2
17.5°	1048.0	1054.5	1074.1	1095.3	1103.4
20°	1025.2	1035.0	1057.8	1082.2	1092.0
22.5°	999.1	1012.1	1038.2	1064.3	1075.7
25°	973.0	984.4	1015.4	1046.4	1057.8
27.5°	943.7	956.7	991.0	1021.9	1033.3
30°	912.7	925.8	961.6	995.8	1007.3
32.5°	878.5	894.8	929.0	964.9	977.9
35°	844.3	858.9	898.1	930.7	943.7
37.5°	808.4	821.5	860.6	894.8	907.8
40°	767.7	782.3	821.5	855.7	868.7
42.5°	728.6	743.2	779.1	811.7	823.1
45°	686.2	699.2	735.1	766.0	779.1
47.5°	643.8	658.5	689.4	720.4	733.4
50°	601.4	612.8	643.8	673.1	681.3
52.5°	557.4	567.2	594.9	621.0	632.4
55°	511.8	519.9	546.0	570.5	580.2
57.5°	462.9	472.7	497.1	515.0	526.4
60°	417.2	422.1	443.3	461.3	472.7
62.5°	371.6	373.2	389.5	407.5	414.0
65°	319.5	324.3	339.0	353.7	360.2
67.5°	272.2	277.1	288.5	299.9	304.8
70°	228.2	228.2	239.6	247.7	252.6
72.5°	184.2	185.8	194.0	198.8	203.7
75°	148.3	145.1	151.6	156.5	158.1
77.5°	110.8	109.2	114.1	115.7	119.0
80°	79.9	79.9	81.5	83.1	83.1
82.5°	52.2	52.2	53.8	50.5	48.9
85°	29.3	29.3	26.1	26.1	26.1
87.5°	9.8	9.8	9.8	11.4	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)