

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: P298362

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298362  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L82765-LD5-UNV-22-T1-W2A-2700K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3248.0 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

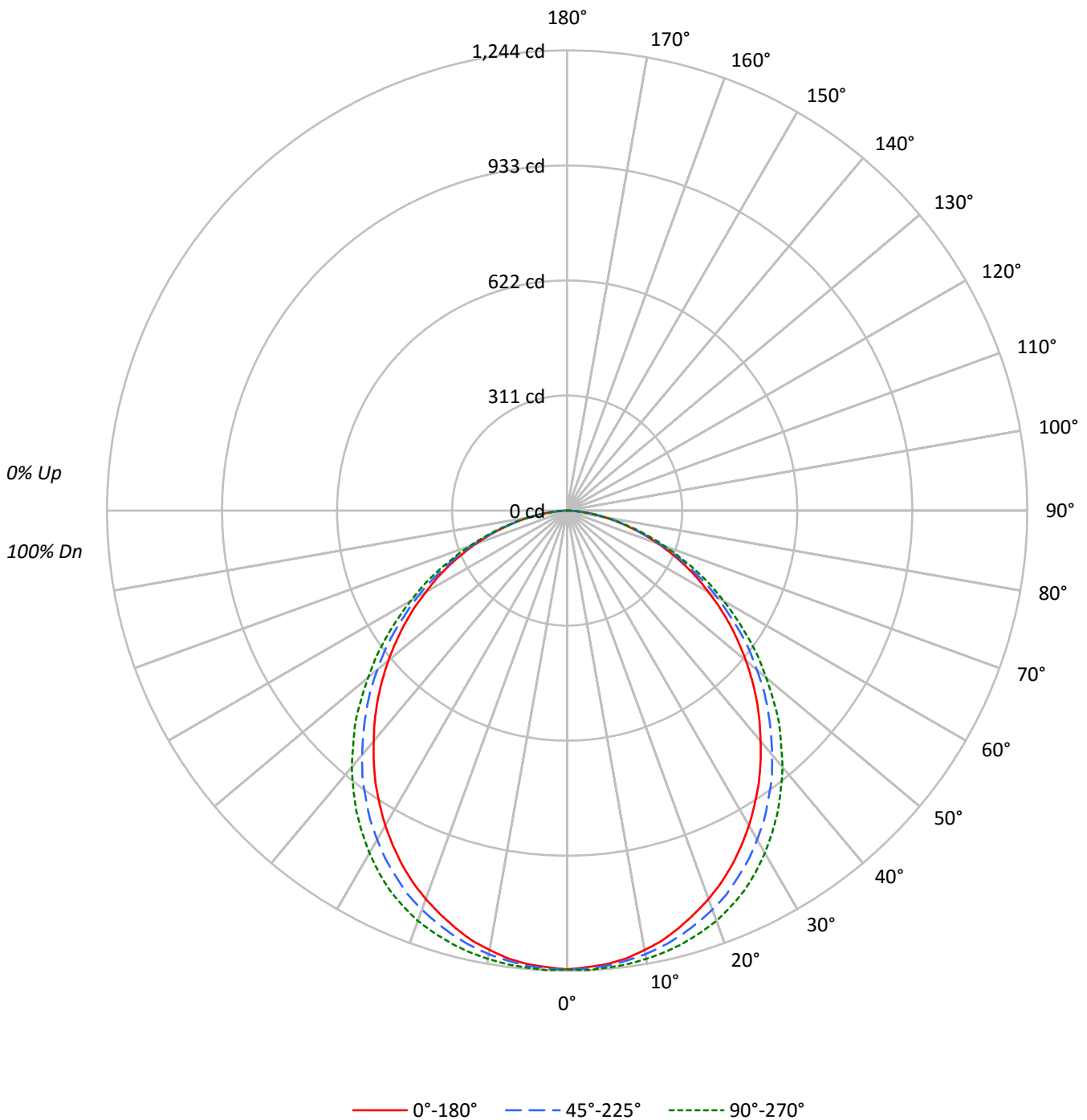
Input Watts (W): 27.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

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

	0°	45°	90°
0°	3338	3338	3338
5°	3324	3337	3351
10°	3296	3327	3363
15°	3253	3311	3375
20°	3200	3288	3381
25°	3135	3246	3366
30°	3055	3191	3322
35°	2964	3119	3262
40°	2857	3028	3181
45°	2757	2923	3083
50°	2640	2803	2938
55°	2519	2670	2799
60°	2376	2516	2629
65°	2245	2327	2441
70°	2061	2125	2201
75°	1833	1883	1934
80°	1579	1554	1554
85°	1198	1099	997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.4	3.6
10°-20°	335.4	10.3
20°-30°	503.5	15.5
30°-40°	592.6	18.2
40°-50°	591.1	18.2
50°-60°	507.3	15.6
60°-70°	363.3	11.2
70°-80°	192.4	5.9
80°-90°	45.0	1.4
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°	956.3	29.4
0°-40°	1548.9	47.7
0°-60°	2647.3	81.5
0°-90°	3248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3248.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1231	1231	1236	1239	1240	117
15°	1168	1172	1189	1205	1211	329
25°	1056	1066	1093	1121	1134	486
35°	902	914	949	982	993	564
45°	724	736	768	796	810	558
55°	537	545	569	589	597	480
65°	352	354	366	380	383	348
75°	176	176	181	184	186	189
85°	39	37	36	32	32	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1240.4	1240.4	1240.4	1240.4	1240.4
2.5°	1235.5	1235.5	1238.8	1242.0	1243.6
5°	1230.7	1230.7	1235.5	1238.8	1240.4
7.5°	1221.0	1221.0	1227.4	1233.9	1237.1
10°	1206.4	1209.7	1217.7	1227.4	1230.7
12.5°	1190.2	1193.5	1204.8	1217.7	1222.6
15°	1167.6	1172.5	1188.6	1204.8	1211.3
17.5°	1143.4	1149.8	1169.2	1188.6	1196.7
20°	1117.5	1123.9	1148.2	1170.8	1180.5
22.5°	1088.4	1096.5	1123.9	1148.2	1157.9
25°	1056.0	1065.7	1093.2	1120.7	1133.6
27.5°	1020.4	1031.8	1062.5	1091.6	1102.9
30°	983.2	996.2	1026.9	1057.6	1069.0
32.5°	942.8	954.1	991.3	1020.4	1031.8
35°	902.4	913.7	949.3	981.6	993.0
37.5°	858.7	873.3	908.9	938.0	949.3
40°	813.4	828.0	862.0	895.9	905.6
42.5°	769.8	782.7	815.1	845.8	855.5
45°	724.5	735.8	768.2	795.7	810.2
47.5°	677.6	688.9	721.3	747.1	755.2
50°	630.7	642.0	669.5	692.2	701.9
52.5°	583.8	595.1	621.0	642.0	651.7
55°	536.9	545.0	569.2	588.7	596.7
57.5°	490.0	496.5	515.9	536.9	541.8
60°	441.5	449.6	467.4	481.9	488.4
62.5°	397.8	401.1	417.2	430.2	438.3
65°	352.5	354.2	365.5	380.0	383.3
67.5°	305.6	307.3	318.6	326.7	329.9
70°	262.0	262.0	270.1	276.5	279.8
72.5°	219.9	218.3	223.2	229.6	232.9
75°	176.3	176.3	181.1	184.4	186.0
77.5°	139.1	135.8	139.1	142.3	142.3
80°	101.9	100.3	100.3	101.9	100.3
82.5°	69.5	67.9	69.5	66.3	64.7
85°	38.8	37.2	35.6	32.3	32.3
87.5°	12.9	11.3	11.3	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)