

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: P297604

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3379.0 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

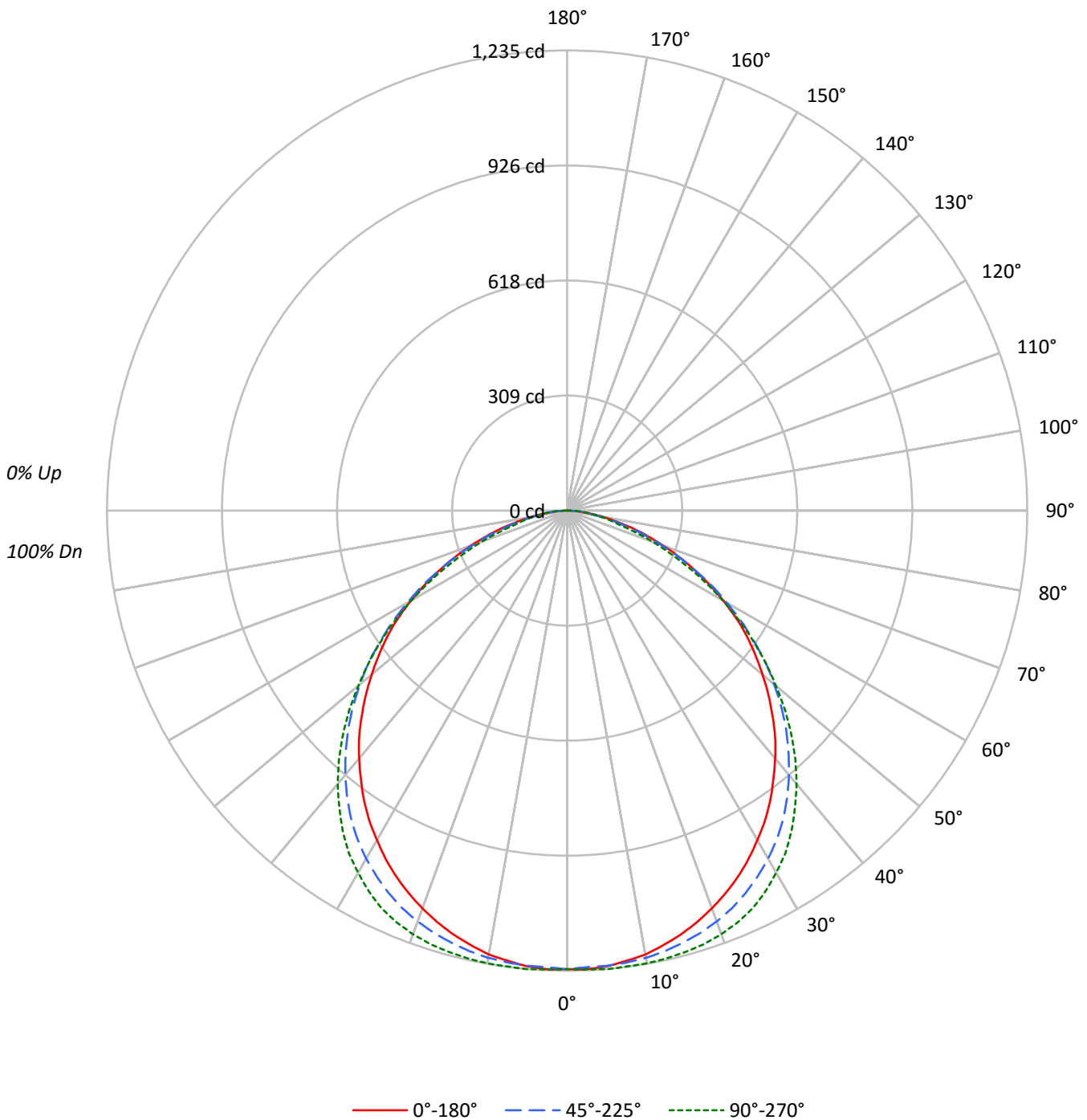
Input Watts (W): 33.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

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

	0°	45°	90°
0°	3312	3312	3312
5°	3317	3313	3337
10°	3305	3330	3371
15°	3282	3345	3416
20°	3253	3361	3464
25°	3220	3363	3498
30°	3173	3351	3487
35°	3121	3320	3449
40°	3052	3253	3365
45°	2968	3163	3237
50°	2867	3037	3062
55°	2767	2873	2859
60°	2606	2662	2598
65°	2401	2411	2276
70°	2148	2101	1910
75°	1866	1740	1474
80°	1495	1356	1356
85°	1071	1257	1303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.1	3.5
10°-20°	339.8	10.1
20°-30°	521.7	15.4
30°-40°	628.3	18.6
40°-50°	634.9	18.8
50°-60°	541.6	16.0
60°-70°	370.7	11.0
70°-80°	178.9	5.3
80°-90°	46.1	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°	978.5	29.0
0°-40°	1606.8	47.6
0°-60°	2783.3	82.4
0°-90°	3379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1228	1228	1226	1234	1235	117
15°	1178	1187	1201	1222	1226	332
25°	1084	1101	1133	1166	1178	499
35°	950	971	1011	1042	1050	594
45°	780	801	831	851	851	601
55°	590	600	612	615	609	525
65°	377	382	379	365	358	374
75°	180	180	167	148	142	191
85°	35	38	41	42	42	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1232.3	1230.8	1226.3	1232.3	1232.3
5°	1227.8	1227.8	1226.3	1233.8	1235.3
7.5°	1218.7	1221.7	1223.2	1232.3	1233.8
10°	1209.7	1212.7	1218.7	1230.8	1233.8
12.5°	1194.6	1200.6	1211.2	1227.8	1230.8
15°	1178.0	1187.0	1200.6	1221.7	1226.3
17.5°	1158.4	1170.5	1188.6	1212.7	1220.2
20°	1135.8	1149.3	1173.5	1200.6	1209.7
22.5°	1111.6	1126.7	1155.4	1187.0	1196.1
25°	1084.5	1101.1	1132.7	1165.9	1178.0
27.5°	1054.3	1072.4	1107.1	1141.8	1152.4
30°	1021.1	1040.7	1078.4	1113.1	1122.2
32.5°	987.9	1007.6	1046.8	1080.0	1090.5
35°	950.2	971.4	1010.6	1042.2	1049.8
37.5°	909.5	930.6	969.8	1001.5	1004.5
40°	868.8	889.9	926.1	954.8	957.8
42.5°	826.6	846.2	879.4	903.5	906.5
45°	779.8	800.9	831.1	850.7	850.7
47.5°	733.0	754.2	779.8	793.4	793.4
50°	684.8	704.4	725.5	733.0	731.5
52.5°	636.5	654.6	672.7	674.2	671.2
55°	589.8	600.3	612.4	615.4	609.4
57.5°	538.5	547.5	555.1	550.5	546.0
60°	484.2	493.2	494.7	487.2	482.7
62.5°	431.4	438.9	438.9	426.9	419.3
65°	377.1	381.6	378.6	365.0	357.5
67.5°	325.8	328.8	322.8	309.2	297.1
70°	273.0	274.5	267.0	250.4	242.8
72.5°	224.7	226.2	217.2	197.6	188.5
75°	179.5	179.5	167.4	147.8	141.8
77.5°	134.2	138.8	125.2	114.6	114.6
80°	96.5	101.1	87.5	89.0	87.5
82.5°	63.3	67.9	63.3	63.3	63.3
85°	34.7	37.7	40.7	42.2	42.2
87.5°	10.6	18.1	19.6	21.1	24.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)