

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: P297744

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L82765-LD5-UNV-14-T1-W2A-4000K  
Description: D3X LED 1x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (168) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3373.0 lumens  
Efficiency: N/A  
Efficacy: 99.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

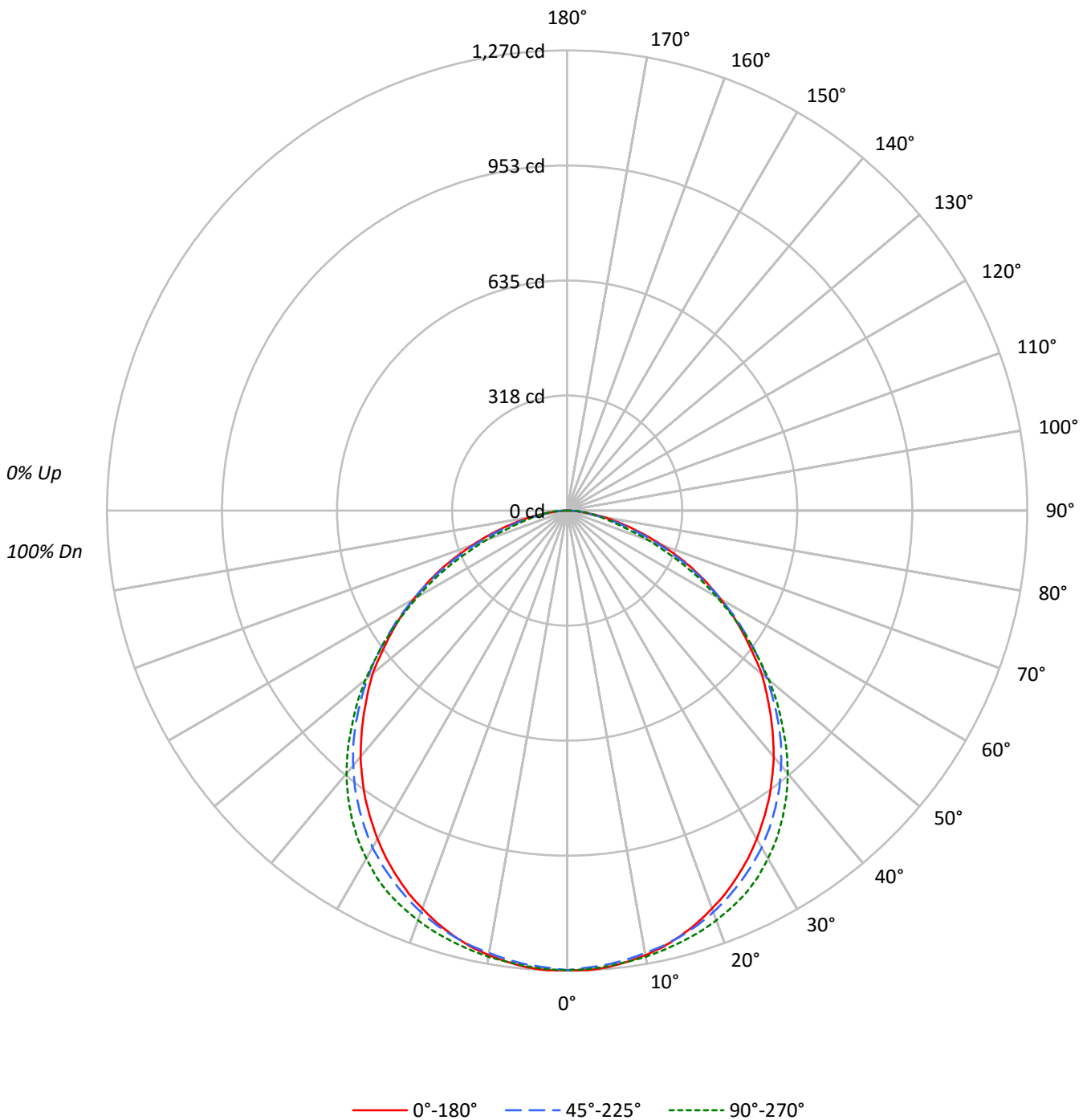
Input Watts (W): 33.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	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	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	3414	3414	3414
5°	3418	3398	3410
10°	3404	3388	3417
15°	3383	3387	3429
20°	3348	3378	3447
25°	3305	3359	3462
30°	3253	3337	3445
35°	3191	3290	3404
40°	3116	3227	3327
45°	3019	3134	3197
50°	2936	3012	3044
55°	2788	2845	2830
60°	2638	2638	2565
65°	2449	2392	2257
70°	2172	2077	1875
75°	1882	1709	1443
80°	1543	1333	1309
85°	1025	1210	1303



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	3.6
10°-20°	344.3	10.2
20°-30°	523.2	15.5
30°-40°	626.5	18.6
40°-50°	631.9	18.7
50°-60°	538.2	16.0
60°-70°	368.0	10.9
70°-80°	176.2	5.2
80°-90°	44.6	1.3
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°	987.5	29.3
0°-40°	1613.9	47.8
0°-60°	2784.1	82.5
0°-90°	3373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3373.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1268	1268	1268	1268	1268	
5°	1266	1264	1258	1264	1262	120
15°	1214	1211	1216	1229	1231	342
25°	1113	1115	1131	1157	1166	513
35°	971	974	1002	1030	1036	607
45°	793	799	824	840	840	613
55°	594	597	606	608	603	532
65°	385	377	376	362	354	379
75°	181	178	164	143	139	193
85°	33	36	39	41	42	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1268.5	1268.5	1268.5	1268.5	1268.5
2.5°	1270.0	1268.5	1262.5	1268.5	1267.0
5°	1265.5	1264.0	1258.0	1264.0	1262.5
7.5°	1256.5	1254.9	1250.4	1256.5	1256.5
10°	1245.9	1242.9	1239.9	1248.9	1250.4
12.5°	1232.3	1229.3	1229.3	1239.9	1241.4
15°	1214.2	1211.2	1215.7	1229.3	1230.8
17.5°	1193.1	1191.6	1199.1	1215.7	1218.7
20°	1169.0	1167.5	1179.5	1199.1	1203.7
22.5°	1143.3	1143.3	1156.9	1179.5	1185.6
25°	1113.2	1114.7	1131.3	1156.9	1166.0
27.5°	1081.5	1084.5	1104.1	1132.8	1140.3
30°	1046.8	1051.3	1073.9	1101.1	1108.6
32.5°	1009.1	1013.6	1039.3	1067.9	1075.5
35°	971.4	974.4	1001.5	1030.2	1036.2
37.5°	929.1	933.7	962.3	988.0	994.0
40°	886.9	891.4	918.6	942.7	947.2
42.5°	840.2	846.2	873.3	892.9	896.0
45°	793.4	799.4	823.6	840.2	840.2
47.5°	746.6	749.7	770.8	787.4	785.9
50°	701.4	699.9	719.5	727.0	727.0
52.5°	645.6	650.1	663.7	668.2	663.7
55°	594.3	597.3	606.4	607.9	603.3
57.5°	544.5	543.0	550.5	546.0	540.0
60°	490.2	490.2	490.2	485.7	476.6
62.5°	437.4	434.4	432.9	422.3	417.8
65°	384.6	377.1	375.6	362.0	354.5
67.5°	328.8	325.8	318.3	304.7	291.1
70°	276.0	273.0	264.0	247.4	238.3
72.5°	227.8	224.7	212.7	193.1	181.0
75°	181.0	178.0	164.4	143.3	138.8
77.5°	137.3	135.8	122.2	111.6	110.1
80°	99.6	98.0	86.0	86.0	84.5
82.5°	63.4	63.4	60.3	61.8	63.4
85°	33.2	36.2	39.2	40.7	42.2
87.5°	10.6	16.6	19.6	21.1	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)