

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: P297959

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-14-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297959
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L92765-LD5-UNV-14-T1-W2A-6500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3383.0 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

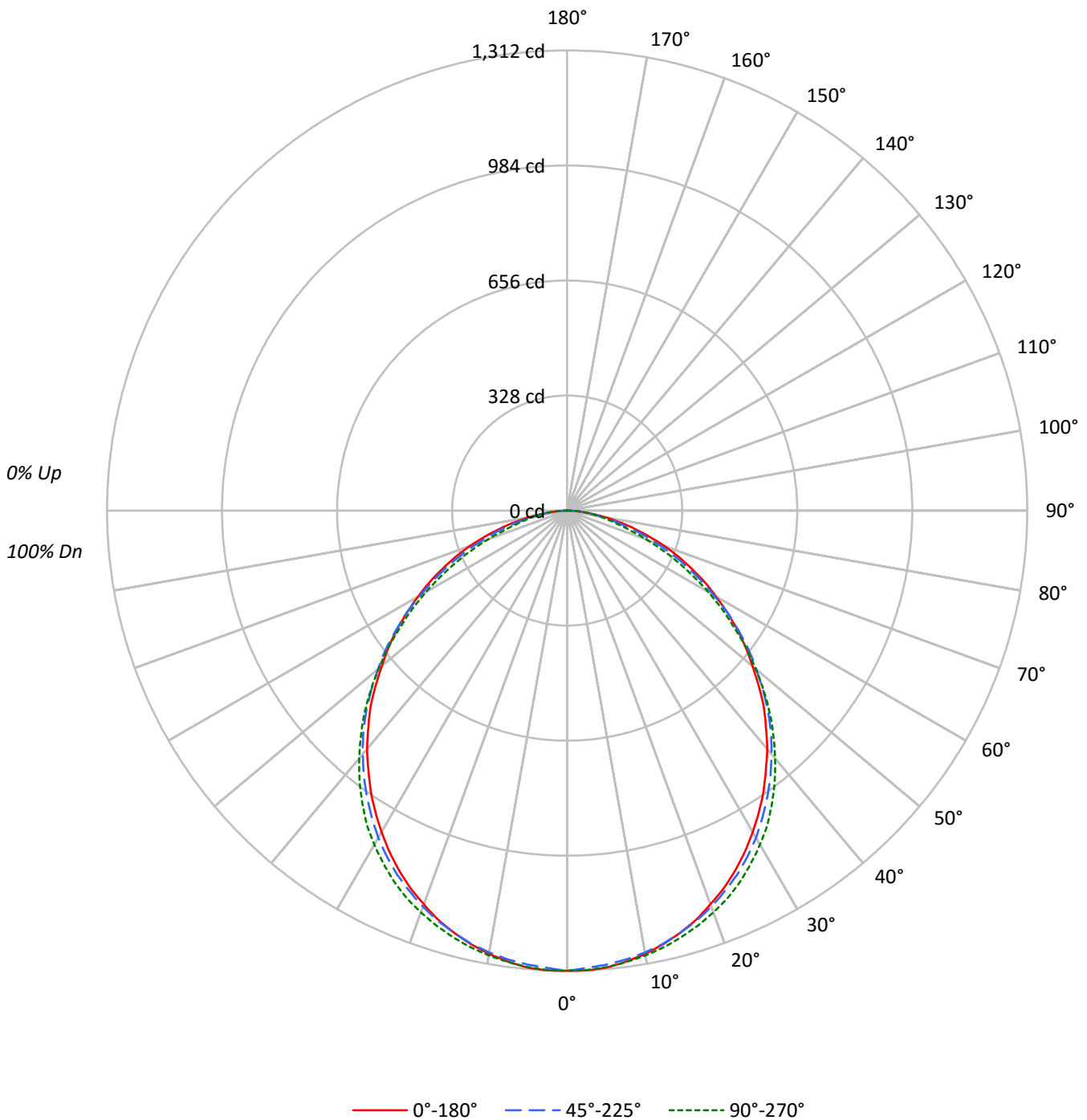
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3531	3531	3531
5°	3533	3509	3529
10°	3507	3495	3519
15°	3472	3472	3508
20°	3421	3441	3491
25°	3364	3402	3466
30°	3288	3347	3418
35°	3208	3269	3345
40°	3118	3184	3239
45°	3018	3083	3111
50°	2888	2948	2936
55°	2779	2799	2725
60°	2639	2601	2500
65°	2493	2392	2228
70°	2313	2121	1884
75°	2058	1820	1550
80°	1711	1489	1444
85°	1241	1328	1328



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	3.7
10°-20°	352.7	10.4
20°-30°	528.7	15.6
30°-40°	622.9	18.4
40°-50°	621.2	18.4
50°-60°	528.4	15.6
60°-70°	368.8	10.9
70°-80°	187.5	5.5
80°-90°	49.0	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°	1005.2	29.7
0°-40°	1628.1	48.1
0°-60°	2777.8	82.1
0°-90°	3383.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3383.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1312	1312	1312	1312	1312	
5°	1308	1305	1299	1306	1306	124
15°	1246	1246	1246	1258	1259	351
25°	1133	1134	1146	1163	1167	521
35°	977	978	995	1015	1018	610
45°	793	796	810	816	817	610
55°	592	592	597	588	581	529
65°	392	386	376	356	350	388
75°	198	191	175	153	149	210
85°	40	42	43	43	43	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1312.1	1312.1	1312.1	1312.1	1312.1
2.5°	1312.1	1310.7	1305.0	1310.7	1310.7
5°	1307.8	1305.0	1299.2	1306.4	1306.4
7.5°	1296.4	1294.9	1290.6	1297.8	1297.8
10°	1283.5	1282.0	1279.2	1287.8	1287.8
12.5°	1266.3	1266.3	1264.8	1273.4	1274.9
15°	1246.2	1246.2	1246.2	1257.7	1259.1
17.5°	1223.2	1221.8	1226.1	1239.0	1240.4
20°	1194.6	1196.0	1201.7	1216.1	1218.9
22.5°	1165.9	1167.3	1174.5	1191.7	1196.0
25°	1132.9	1134.3	1145.8	1163.0	1167.3
27.5°	1097.0	1099.9	1112.8	1131.5	1134.3
30°	1058.3	1061.2	1077.0	1095.6	1099.9
32.5°	1018.2	1022.5	1036.8	1056.9	1062.6
35°	976.6	978.0	995.2	1015.3	1018.2
37.5°	930.7	935.0	952.2	969.4	972.3
40°	887.7	890.5	906.3	920.7	922.1
42.5°	838.9	843.2	860.4	870.5	870.5
45°	793.0	795.9	810.2	816.0	817.4
47.5°	741.4	744.3	757.2	760.0	760.0
50°	689.8	696.9	704.1	704.1	701.2
52.5°	642.5	643.9	652.5	646.8	643.9
55°	592.3	592.3	596.6	588.0	580.8
57.5°	542.1	542.1	542.1	530.6	524.9
60°	490.4	489.0	483.3	468.9	464.6
62.5°	441.7	437.4	428.8	414.4	405.8
65°	391.5	385.8	375.7	355.6	349.9
67.5°	344.2	334.1	322.7	304.0	294.0
70°	294.0	285.4	269.6	248.1	239.5
72.5°	245.2	236.6	223.7	202.2	189.3
75°	197.9	190.7	175.0	153.4	149.1
77.5°	152.0	147.7	131.9	121.9	120.5
80°	110.4	109.0	96.1	93.2	93.2
82.5°	73.1	71.7	67.4	67.4	66.0
85°	40.2	41.6	43.0	43.0	43.0
87.5°	14.3	17.2	20.1	20.1	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)