

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: P297887

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-14-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297887
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-35L82765-LD5-UNV-14-T1-W2A-5500K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 80 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3707.0 lumens
Efficiency: N/A
Efficacy: 107.4 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

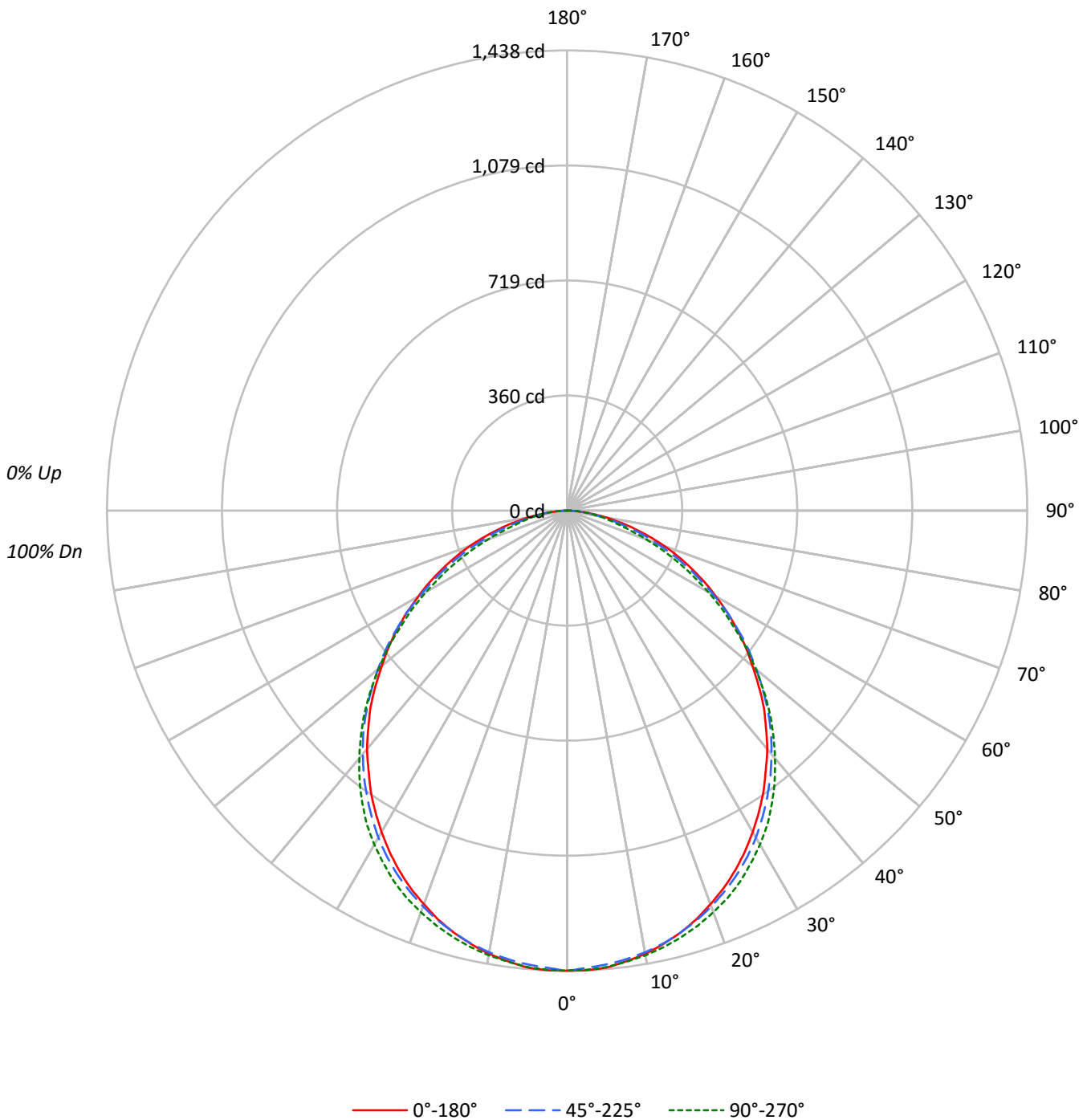
Input Watts (W): 34.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3869	3869	3869
5°	3871	3846	3867
10°	3843	3830	3856
15°	3804	3804	3844
20°	3749	3771	3825
25°	3686	3728	3798
30°	3604	3667	3745
35°	3515	3582	3665
40°	3417	3489	3549
45°	3307	3379	3409
50°	3164	3230	3217
55°	3045	3067	2986
60°	2892	2850	2740
65°	2732	2621	2441
70°	2534	2324	2065
75°	2255	1993	1699
80°	1875	1632	1582
85°	1359	1454	1454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.7	3.7
10°-20°	386.5	10.4
20°-30°	579.3	15.6
30°-40°	682.5	18.4
40°-50°	680.7	18.4
50°-60°	579.0	15.6
60°-70°	404.1	10.9
70°-80°	205.4	5.5
80°-90°	53.6	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°	1101.5	29.7
0°-40°	1784.0	48.1
0°-60°	3043.8	82.1
0°-90°	3707.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3707.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1438	1438	1438	1438	1438	
5°	1433	1430	1424	1432	1432	136
15°	1366	1366	1366	1378	1380	385
25°	1241	1243	1256	1274	1279	571
35°	1070	1072	1090	1112	1116	669
45°	869	872	888	894	896	669
55°	649	649	654	644	636	580
65°	429	423	412	390	383	425
75°	217	209	192	168	163	230
85°	44	46	47	47	47	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1437.8	1437.8	1437.8	1437.8	1437.8
2.5°	1437.8	1436.2	1430.0	1436.2	1436.2
5°	1433.1	1430.0	1423.7	1431.5	1431.5
7.5°	1420.5	1419.0	1414.2	1422.1	1422.1
10°	1406.4	1404.8	1401.7	1411.1	1411.1
12.5°	1387.5	1387.5	1386.0	1395.4	1397.0
15°	1365.5	1365.5	1365.5	1378.1	1379.7
17.5°	1340.4	1338.8	1343.5	1357.7	1359.2
20°	1309.0	1310.5	1316.8	1332.5	1335.7
22.5°	1277.5	1279.1	1287.0	1305.8	1310.5
25°	1241.4	1243.0	1255.5	1274.4	1279.1
27.5°	1202.1	1205.3	1219.4	1239.8	1243.0
30°	1159.7	1162.8	1180.1	1200.5	1205.3
32.5°	1115.7	1120.4	1136.1	1158.1	1164.4
35°	1070.1	1071.7	1090.5	1112.5	1115.7
37.5°	1019.8	1024.5	1043.4	1062.3	1065.4
40°	972.7	975.8	993.1	1008.8	1010.4
42.5°	919.3	924.0	942.8	953.8	953.8
45°	869.0	872.1	887.8	894.1	895.7
47.5°	812.4	815.5	829.7	832.8	832.8
50°	755.8	763.7	771.5	771.5	768.4
52.5°	704.0	705.6	715.0	708.7	705.6
55°	649.0	649.0	653.7	644.3	636.4
57.5°	594.0	594.0	594.0	581.4	575.1
60°	537.4	535.8	529.6	513.8	509.1
62.5°	484.0	479.3	469.8	454.1	444.7
65°	429.0	422.7	411.7	389.7	383.4
67.5°	377.1	366.1	353.6	333.1	322.1
70°	322.1	312.7	295.4	271.8	262.4
72.5°	268.7	259.3	245.1	221.6	207.4
75°	216.9	209.0	191.7	168.1	163.4
77.5°	166.6	161.9	144.6	133.6	132.0
80°	121.0	119.4	105.3	102.1	102.1
82.5°	80.1	78.6	73.9	73.9	72.3
85°	44.0	45.6	47.1	47.1	47.1
87.5°	15.7	18.9	22.0	22.0	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)