

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: P297918

Luminaire Tested: **D3X-WO-35L93050-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297918
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-35L93050-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3330.0 lumens
Efficiency: N/A
Efficacy: 95.1 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

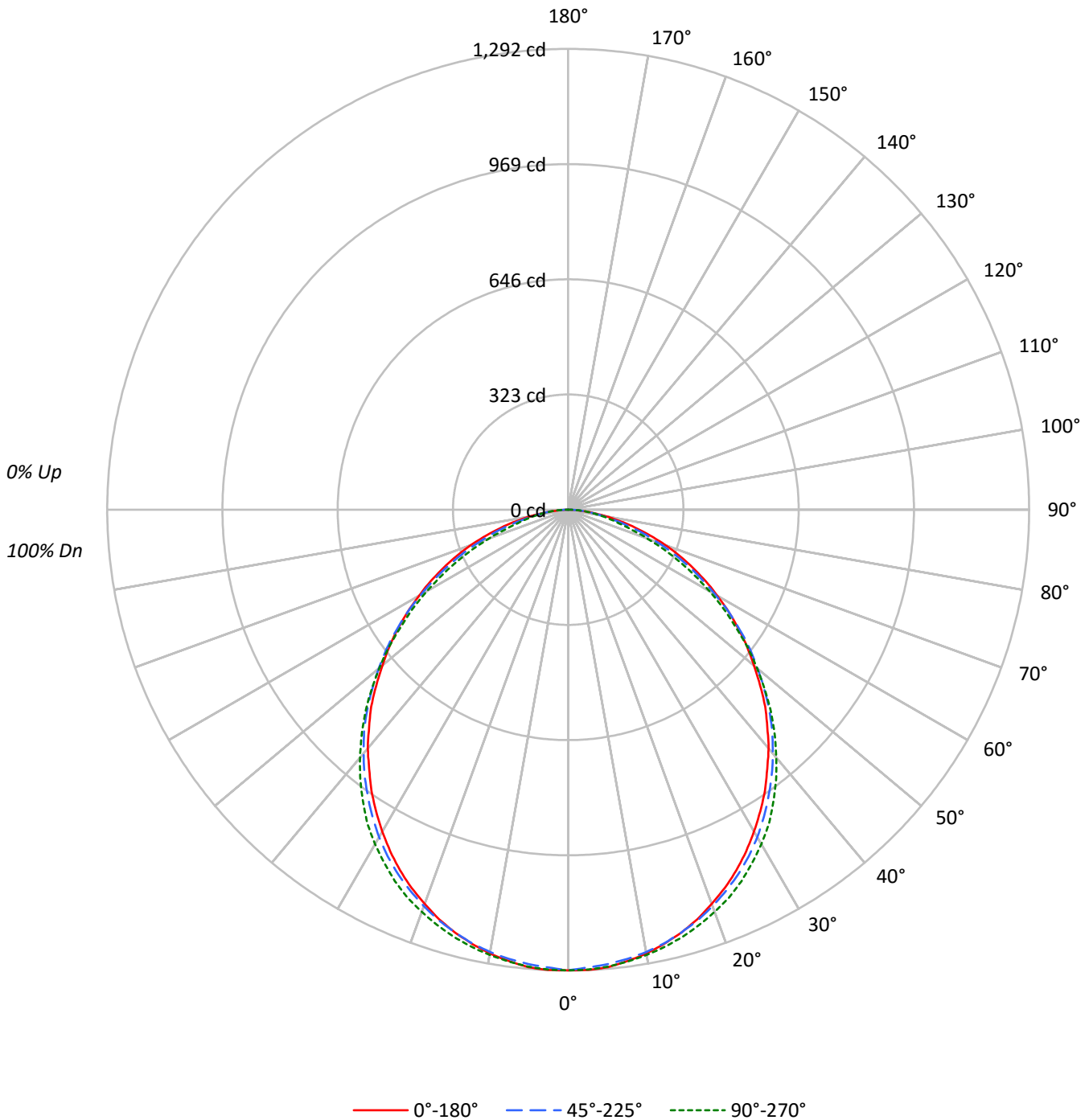
Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3476	3476	3476
5°	3478	3455	3474
10°	3452	3440	3464
15°	3417	3417	3453
20°	3367	3387	3436
25°	3311	3349	3412
30°	3237	3294	3364
35°	3158	3218	3292
40°	3070	3134	3188
45°	2971	3035	3062
50°	2843	2902	2890
55°	2735	2755	2682
60°	2598	2560	2462
65°	2454	2355	2193
70°	2277	2088	1854
75°	2025	1790	1526
80°	1684	1466	1423
85°	1220	1306	1306



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.7
10°-20°	347.2	10.4
20°-30°	520.4	15.6
30°-40°	613.1	18.4
40°-50°	611.5	18.4
50°-60°	520.1	15.6
60°-70°	363.0	10.9
70°-80°	184.5	5.5
80°-90°	48.2	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°	989.5	29.7
0°-40°	1602.6	48.1
0°-60°	2734.3	82.1
0°-90°	3330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3330.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1287	1284	1279	1286	1286	122
15°	1227	1227	1227	1238	1239	346
25°	1115	1117	1128	1145	1149	513
35°	961	963	980	999	1002	601
45°	781	783	798	803	805	601
55°	583	583	587	579	572	521
65°	385	380	370	350	344	382
75°	195	188	172	151	147	207
85°	40	41	42	42	42	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1291.6	1291.6	1291.6	1291.6	1291.6
2.5°	1291.6	1290.2	1284.5	1290.2	1290.2
5°	1287.4	1284.5	1278.9	1285.9	1285.9
7.5°	1276.1	1274.7	1270.4	1277.5	1277.5
10°	1263.4	1261.9	1259.1	1267.6	1267.6
12.5°	1246.4	1246.4	1245.0	1253.5	1254.9
15°	1226.7	1226.7	1226.7	1238.0	1239.4
17.5°	1204.1	1202.7	1206.9	1219.6	1221.0
20°	1175.8	1177.3	1182.9	1197.0	1199.8
22.5°	1147.6	1149.0	1156.1	1173.0	1177.3
25°	1115.1	1116.6	1127.8	1144.8	1149.0
27.5°	1079.9	1082.7	1095.4	1113.7	1116.6
30°	1041.7	1044.6	1060.1	1078.4	1082.7
32.5°	1002.2	1006.5	1020.6	1040.3	1046.0
35°	961.3	962.7	979.6	999.4	1002.2
37.5°	916.1	920.3	937.3	954.2	957.0
40°	873.8	876.6	892.1	906.2	907.6
42.5°	825.8	830.0	846.9	856.8	856.8
45°	780.6	783.4	797.5	803.2	804.6
47.5°	729.8	732.6	745.3	748.1	748.1
50°	679.0	686.0	693.1	693.1	690.3
52.5°	632.4	633.8	642.3	636.6	633.8
55°	583.0	583.0	587.2	578.7	571.7
57.5°	533.6	533.6	533.6	522.3	516.6
60°	482.8	481.3	475.7	461.6	457.4
62.5°	434.8	430.5	422.1	407.9	399.5
65°	385.4	379.7	369.8	350.1	344.4
67.5°	338.8	328.9	317.6	299.3	289.4
70°	289.4	280.9	265.4	244.2	235.7
72.5°	241.4	232.9	220.2	199.0	186.3
75°	194.8	187.7	172.2	151.0	146.8
77.5°	149.6	145.4	129.9	120.0	118.6
80°	108.7	107.3	94.6	91.8	91.8
82.5°	72.0	70.6	66.3	66.3	64.9
85°	39.5	40.9	42.3	42.3	42.3
87.5°	14.1	16.9	19.8	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)