

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: P298414

Luminaire Tested: **D3X-WO-44L93050-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298414
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-44L93050-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3412.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

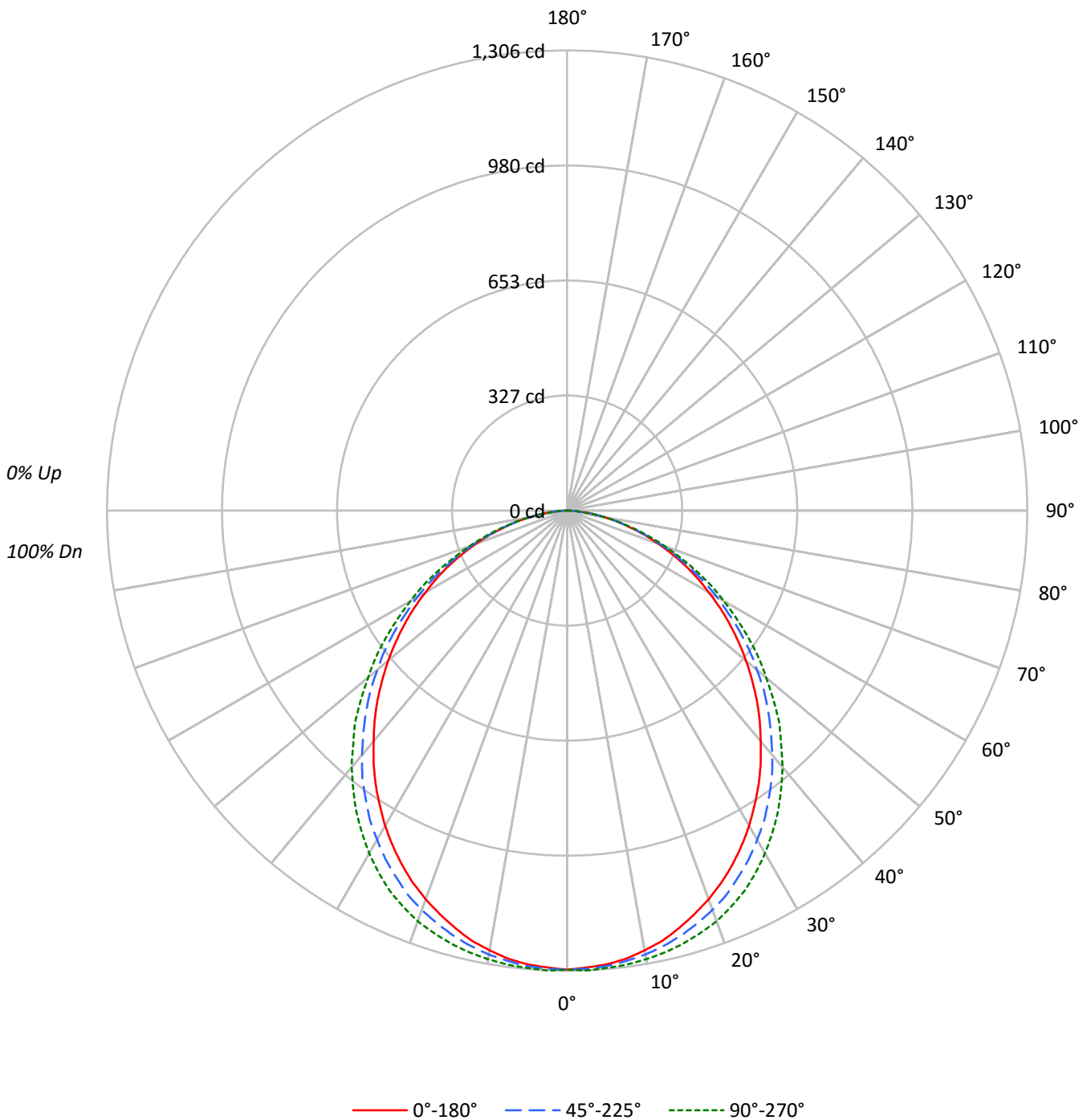
Input Watts (W): 36.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	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°	3506	3506	3506
5°	3492	3506	3520
10°	3463	3495	3533
15°	3417	3478	3545
20°	3362	3454	3552
25°	3294	3410	3536
30°	3210	3352	3489
35°	3114	3276	3427
40°	3002	3181	3342
45°	2896	3071	3239
50°	2774	2944	3087
55°	2646	2806	2941
60°	2496	2643	2761
65°	2358	2444	2564
70°	2165	2232	2312
75°	1926	1979	2032
80°	1658	1632	1632
85°	1260	1155	1050



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	3.6
10°-20°	352.3	10.3
20°-30°	529.0	15.5
30°-40°	622.6	18.2
40°-50°	621.0	18.2
50°-60°	532.9	15.6
60°-70°	381.6	11.2
70°-80°	202.1	5.9
80°-90°	47.3	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°	1004.6	29.4
0°-40°	1627.1	47.7
0°-60°	2781.0	81.5
0°-90°	3412.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3412.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1303	1303	1303	1303	1303	
5°	1293	1293	1298	1301	1303	123
15°	1227	1232	1249	1266	1272	346
25°	1109	1120	1148	1177	1191	510
35°	948	960	997	1031	1043	592
45°	761	773	807	836	851	587
55°	564	572	598	618	627	504
65°	370	372	384	399	403	366
75°	185	185	190	194	195	199
85°	41	39	37	34	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1303.0	1303.0	1303.0	1303.0	1303.0
2.5°	1297.9	1297.9	1301.3	1304.7	1306.4
5°	1292.8	1292.8	1297.9	1301.3	1303.0
7.5°	1282.6	1282.6	1289.4	1296.2	1299.6
10°	1267.3	1270.7	1279.2	1289.4	1292.8
12.5°	1250.3	1253.7	1265.6	1279.2	1284.3
15°	1226.6	1231.7	1248.6	1265.6	1272.4
17.5°	1201.1	1207.9	1228.3	1248.6	1257.1
20°	1173.9	1180.7	1206.2	1230.0	1240.2
22.5°	1143.3	1151.8	1180.7	1206.2	1216.4
25°	1109.3	1119.5	1148.4	1177.3	1190.9
27.5°	1072.0	1083.9	1116.1	1146.7	1158.6
30°	1032.9	1046.5	1078.8	1111.0	1122.9
32.5°	990.4	1002.3	1041.4	1072.0	1083.9
35°	948.0	959.8	997.2	1031.2	1043.1
37.5°	902.1	917.4	954.7	985.3	997.2
40°	854.5	869.8	905.5	941.2	951.4
42.5°	808.6	822.2	856.2	888.5	898.7
45°	761.1	773.0	807.0	835.8	851.1
47.5°	711.8	723.7	757.7	784.9	793.4
50°	662.5	674.4	703.3	727.1	737.3
52.5°	613.3	625.2	652.4	674.4	684.6
55°	564.0	572.5	598.0	618.4	626.9
57.5°	514.7	521.5	541.9	564.0	569.1
60°	463.8	472.3	491.0	506.3	513.1
62.5°	417.9	421.3	438.3	451.9	460.4
65°	370.3	372.0	383.9	399.2	402.6
67.5°	321.1	322.8	334.7	343.2	346.6
70°	275.2	275.2	283.7	290.5	293.9
72.5°	231.0	229.3	234.4	241.2	244.6
75°	185.2	185.2	190.3	193.7	195.4
77.5°	146.1	142.7	146.1	149.5	149.5
80°	107.0	105.3	105.3	107.0	105.3
82.5°	73.1	71.4	73.1	69.7	68.0
85°	40.8	39.1	37.4	34.0	34.0
87.5°	13.6	11.9	11.9	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)