

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: P257549

Luminaire Tested: **D3X-WO-44L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-44L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3679.7 lumens
Efficiency: N/A
Efficacy: 92.9 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

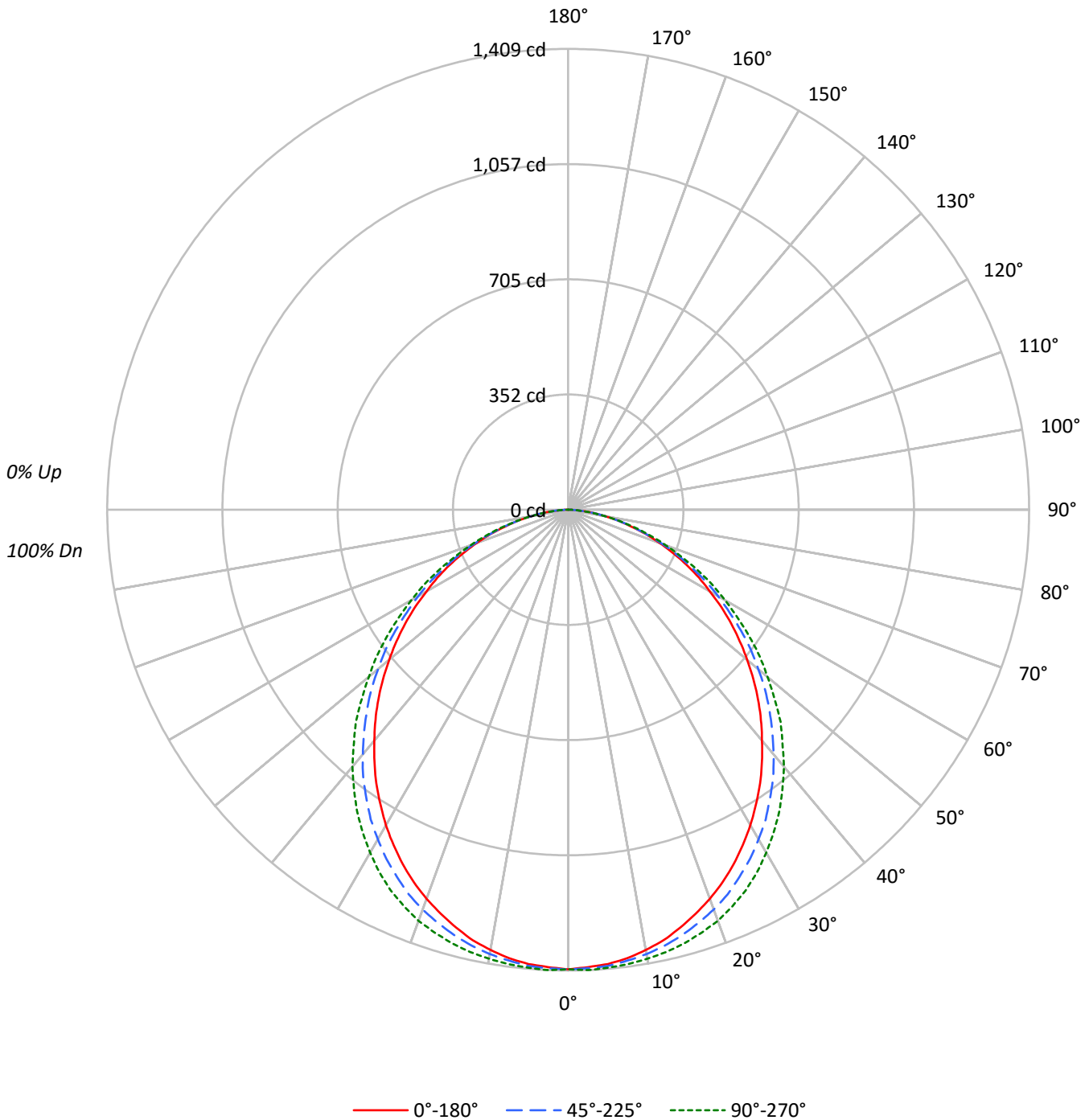
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3782	3782	3782
5°	3766	3781	3796
10°	3735	3770	3810
15°	3685	3752	3823
20°	3625	3725	3830
25°	3552	3677	3813
30°	3461	3615	3763
35°	3358	3533	3695
40°	3237	3430	3604
45°	3124	3312	3493
50°	2991	3175	3329
55°	2854	3026	3172
60°	2692	2850	2978
65°	2543	2637	2765
70°	2335	2408	2494
75°	2076	2133	2191
80°	1788	1760	1760
85°	1359	1244	1130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	3.6
10°-20°	380.0	10.3
20°-30°	570.5	15.5
30°-40°	671.4	18.2
40°-50°	669.7	18.2
50°-60°	574.7	15.6
60°-70°	411.6	11.2
70°-80°	218.0	5.9
80°-90°	51.0	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°	1083.4	29.4
0°-40°	1754.8	47.7
0°-60°	2999.2	81.5
0°-90°	3679.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3679.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1405	1405	1405	1405	1405	
5°	1394	1394	1400	1403	1405	132
15°	1323	1328	1347	1365	1372	373
25°	1196	1207	1238	1270	1284	551
35°	1022	1035	1076	1112	1125	639
45°	821	834	870	901	918	633
55°	608	617	645	667	676	544
65°	399	401	414	431	434	394
75°	200	200	205	209	211	214
85°	44	42	40	37	37	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1405.3	1405.3	1405.3	1405.3	1405.3
2.5°	1399.8	1399.8	1403.4	1407.1	1408.9
5°	1394.3	1394.3	1399.8	1403.4	1405.3
7.5°	1383.3	1383.3	1390.6	1397.9	1401.6
10°	1366.8	1370.4	1379.6	1390.6	1394.3
12.5°	1348.5	1352.1	1364.9	1379.6	1385.1
15°	1322.8	1328.3	1346.6	1364.9	1372.3
17.5°	1295.3	1302.7	1324.6	1346.6	1355.8
20°	1266.0	1273.3	1300.8	1326.5	1337.5
22.5°	1233.0	1242.2	1273.3	1300.8	1311.8
25°	1196.4	1207.4	1238.5	1269.7	1284.3
27.5°	1156.1	1168.9	1203.7	1236.7	1249.5
30°	1113.9	1128.6	1163.4	1198.2	1211.0
32.5°	1068.1	1081.0	1123.1	1156.1	1168.9
35°	1022.3	1035.2	1075.5	1112.1	1124.9
37.5°	972.9	989.4	1029.7	1062.6	1075.5
40°	921.6	938.1	976.5	1015.0	1026.0
42.5°	872.1	886.8	923.4	958.2	969.2
45°	820.8	833.6	870.3	901.4	917.9
47.5°	767.7	780.5	817.1	846.4	855.6
50°	714.5	727.4	758.5	784.2	795.1
52.5°	661.4	674.2	703.5	727.4	738.4
55°	608.3	617.4	644.9	666.9	676.1
57.5°	555.1	562.5	584.5	608.3	613.8
60°	500.2	509.3	529.5	546.0	553.3
62.5°	450.7	454.4	472.7	487.3	496.5
65°	399.4	401.2	414.1	430.6	434.2
67.5°	346.3	348.1	360.9	370.1	373.8
70°	296.8	296.8	306.0	313.3	317.0
72.5°	249.2	247.3	252.8	260.2	263.8
75°	199.7	199.7	205.2	208.9	210.7
77.5°	157.6	153.9	157.6	161.2	161.2
80°	115.4	113.6	113.6	115.4	113.6
82.5°	78.8	76.9	78.8	75.1	73.3
85°	44.0	42.1	40.3	36.6	36.6
87.5°	14.7	12.8	12.8	14.7	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)