

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: P257423

Luminaire Tested: **D3X-WG-44L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-44L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4059.1 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

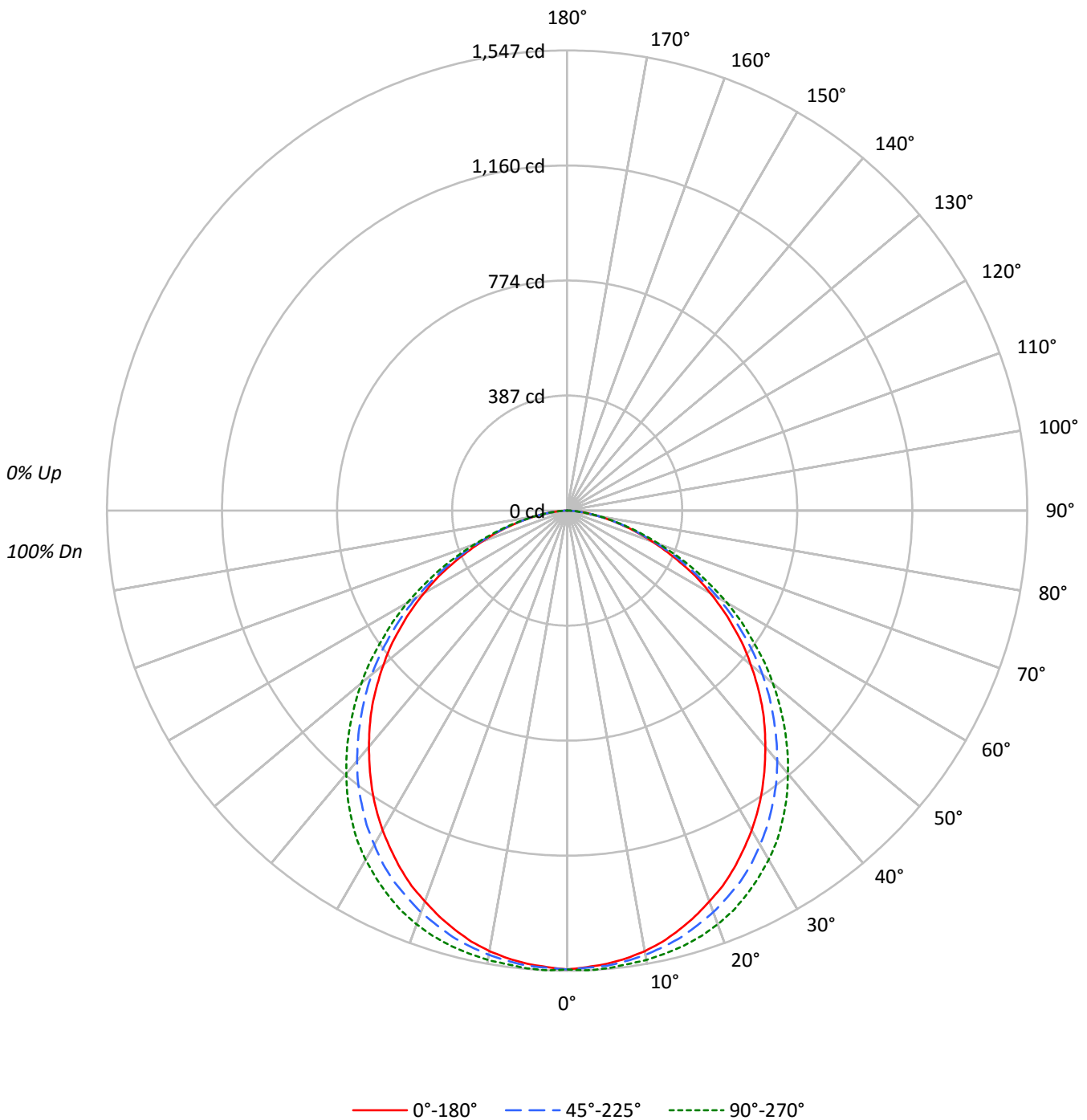
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	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	47	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	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4151	4151	4151
5°	4132	4149	4173
10°	4109	4144	4192
15°	4063	4135	4220
20°	4004	4115	4239
25°	3940	4088	4235
30°	3856	4030	4211
35°	3758	3956	4154
40°	3640	3860	4057
45°	3526	3731	3935
50°	3373	3590	3779
55°	3204	3386	3568
60°	2991	3154	3340
65°	2730	2853	3018
70°	2390	2492	2593
75°	2039	2084	2173
80°	1636	1669	1703
85°	1198	1130	1065



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.0	3.6
10°-20°	419.1	10.3
20°-30°	633.5	15.6
30°-40°	752.5	18.5
40°-50°	755.5	18.6
50°-60°	645.3	15.9
60°-70°	444.6	11.0
70°-80°	215.6	5.3
80°-90°	47.2	1.2
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°	1198.6	29.5
0°-40°	1951.1	48.1
0°-60°	3351.8	82.6
0°-90°	4059.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4059.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1530	1530	1536	1540	1545	145
15°	1458	1465	1484	1504	1515	411
25°	1327	1338	1377	1413	1426	611
35°	1144	1161	1204	1250	1265	715
45°	926	939	980	1021	1034	713
55°	683	694	722	752	760	611
65°	429	429	448	468	474	425
75°	196	192	200	205	209	211
85°	39	39	37	34	34	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.6	1542.6	1542.6	1542.6	1542.6
2.5°	1536.1	1536.1	1538.3	1544.7	1546.9
5°	1529.6	1529.6	1536.1	1540.4	1544.7
7.5°	1518.9	1521.0	1527.5	1536.1	1538.3
10°	1503.8	1505.9	1516.7	1527.5	1534.0
12.5°	1484.4	1488.7	1501.6	1518.9	1525.3
15°	1458.5	1465.0	1484.4	1503.8	1514.6
17.5°	1430.5	1439.2	1460.7	1488.7	1499.5
20°	1398.2	1409.0	1437.0	1467.2	1480.1
22.5°	1365.9	1374.5	1406.8	1441.3	1456.4
25°	1327.1	1337.9	1376.7	1413.3	1426.2
27.5°	1284.0	1299.1	1340.1	1378.8	1391.8
30°	1241.0	1253.9	1297.0	1340.1	1355.1
32.5°	1193.6	1206.5	1253.9	1297.0	1314.2
35°	1144.0	1161.2	1204.3	1249.6	1264.6
37.5°	1090.1	1109.5	1154.8	1193.6	1212.9
40°	1036.3	1053.5	1098.8	1139.7	1154.8
42.5°	982.4	997.5	1040.6	1083.7	1096.6
45°	926.4	939.3	980.3	1021.2	1034.1
47.5°	866.1	881.2	919.9	954.4	969.5
50°	805.8	820.8	857.5	889.8	902.7
52.5°	747.6	756.2	790.7	820.8	835.9
55°	683.0	693.7	721.7	751.9	760.5
57.5°	620.5	626.9	654.9	680.8	693.7
60°	555.8	560.2	586.0	605.4	620.5
62.5°	495.5	495.5	514.9	536.5	545.1
65°	428.7	428.7	448.1	467.5	474.0
67.5°	364.1	368.4	381.3	396.4	400.7
70°	303.8	303.8	316.7	327.5	329.6
72.5°	249.9	247.8	254.2	262.8	267.1
75°	196.1	191.7	200.4	204.7	209.0
77.5°	148.7	146.5	150.8	155.1	155.1
80°	105.6	103.4	107.7	107.7	109.9
82.5°	68.9	71.1	71.1	68.9	66.8
85°	38.8	38.8	36.6	34.5	34.5
87.5°	12.9	12.9	12.9	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)