

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: P258444

Luminaire Tested: **D3X-WG-50L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-50L930-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3796.4 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

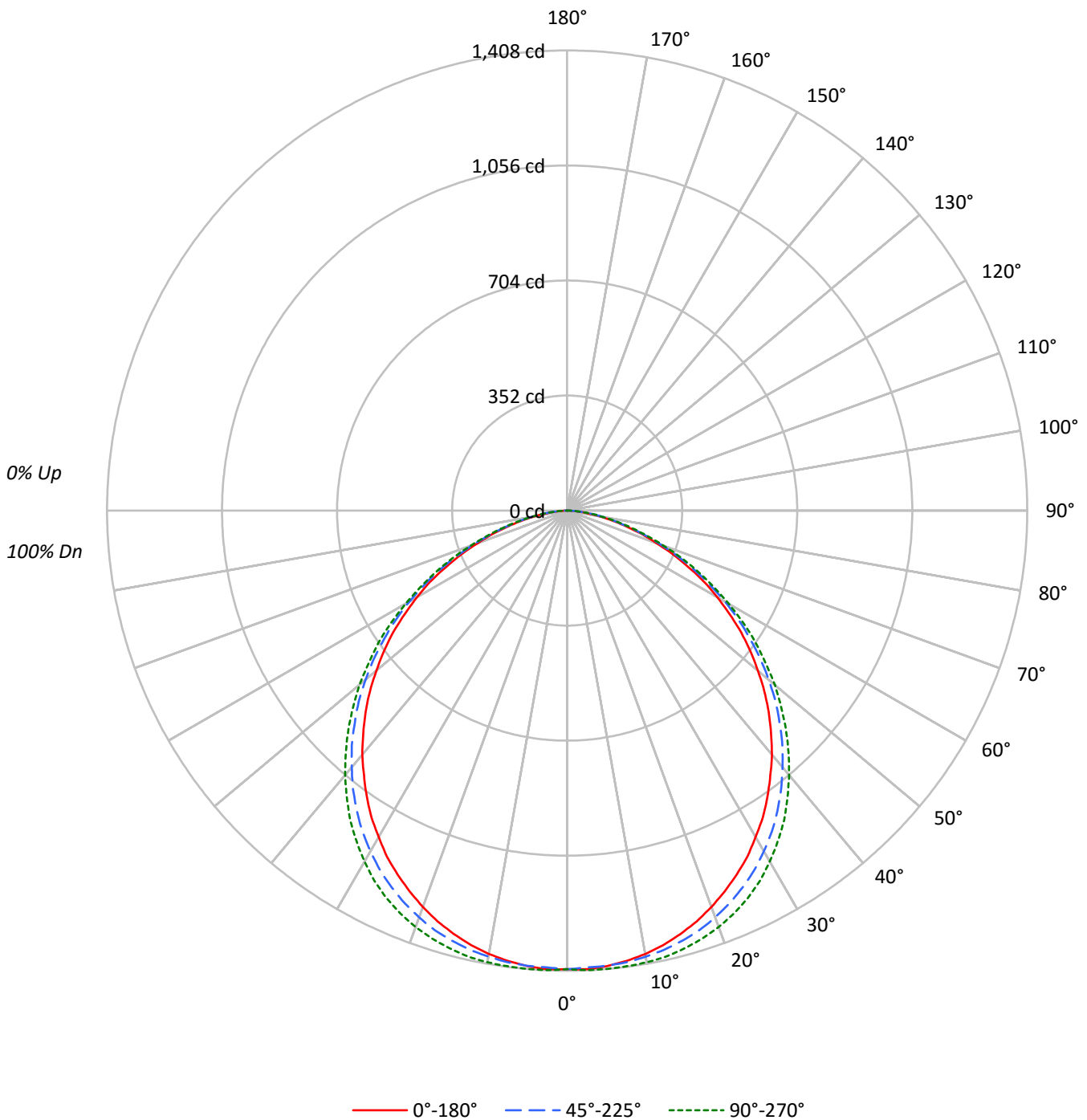
Input Watts (W): 37.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	47	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1888	1888	1888
5°	1890	1888	1901
10°	1882	1893	1917
15°	1868	1898	1932
20°	1848	1897	1941
25°	1823	1888	1942
30°	1792	1870	1927
35°	1756	1843	1901
40°	1713	1801	1856
45°	1659	1749	1801
50°	1594	1685	1737
55°	1525	1601	1652
60°	1427	1500	1537
65°	1303	1372	1407
70°	1145	1204	1236
75°	968	1018	1053
80°	769	843	864
85°	525	630	608



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.3	3.5
10°-20°	385.0	10.1
20°-30°	585.1	15.4
30°-40°	698.1	18.4
40°-50°	705.1	18.6
50°-60°	607.5	16.0
60°-70°	423.5	11.2
70°-80°	209.9	5.5
80°-90°	48.9	1.3
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°	1103.4	29.1
0°-40°	1801.5	47.5
0°-60°	3114.1	82.0
0°-90°	3796.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3796.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1403	1403	1403	1403	1403	
5°	1399	1398	1398	1405	1408	133
15°	1341	1348	1363	1380	1387	378
25°	1228	1244	1272	1297	1308	566
35°	1069	1087	1122	1148	1157	668
45°	872	891	919	941	946	672
55°	650	664	683	699	704	579
65°	409	418	431	435	442	406
75°	186	189	196	200	203	201
85°	34	41	41	38	39	43
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1403.4	1403.4	1403.4	1403.4	1403.4
2.5°	1404.8	1402.1	1399.4	1404.8	1407.5
5°	1399.4	1398.0	1398.0	1404.8	1407.5
7.5°	1389.8	1389.8	1393.9	1403.4	1406.2
10°	1377.6	1380.3	1385.8	1399.4	1403.4
12.5°	1361.3	1366.7	1376.2	1392.6	1398.0
15°	1340.9	1347.7	1362.6	1380.3	1387.1
17.5°	1317.8	1327.3	1346.3	1366.7	1373.5
20°	1290.6	1302.8	1324.6	1347.7	1355.8
22.5°	1260.7	1275.6	1300.1	1324.6	1334.1
25°	1228.0	1244.3	1271.5	1297.4	1308.3
27.5°	1194.0	1210.3	1240.3	1266.1	1277.0
30°	1153.2	1172.3	1203.5	1230.7	1240.3
32.5°	1113.8	1132.8	1165.5	1189.9	1199.5
35°	1068.9	1086.6	1121.9	1147.8	1157.3
37.5°	1021.3	1041.7	1075.7	1098.8	1107.0
40°	975.1	992.7	1025.4	1048.5	1056.7
42.5°	923.4	942.4	975.1	995.5	1002.3
45°	871.7	890.8	919.3	941.1	946.5
47.5°	818.7	836.4	864.9	882.6	888.0
50°	761.6	777.9	805.1	822.8	829.6
52.5°	707.2	722.1	745.2	760.2	764.3
55°	650.0	663.6	682.7	699.0	704.4
57.5°	588.8	603.8	621.5	635.1	639.2
60°	530.4	542.6	557.6	569.8	571.2
62.5°	473.3	478.7	492.3	503.2	504.5
65°	409.3	417.5	431.1	435.2	442.0
67.5°	350.9	356.3	367.2	372.6	378.1
70°	291.0	295.1	306.0	312.8	314.1
72.5°	239.3	240.7	248.9	254.3	255.7
75°	186.3	189.0	195.8	199.9	202.6
77.5°	141.4	144.2	149.6	152.3	152.3
80°	99.3	103.4	108.8	110.2	111.5
82.5°	63.9	69.4	73.4	74.8	72.1
85°	34.0	40.8	40.8	38.1	39.4
87.5°	12.2	15.0	16.3	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)