

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: P302326

Luminaire Tested: **ZX-WO-50H930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-50H930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (336)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

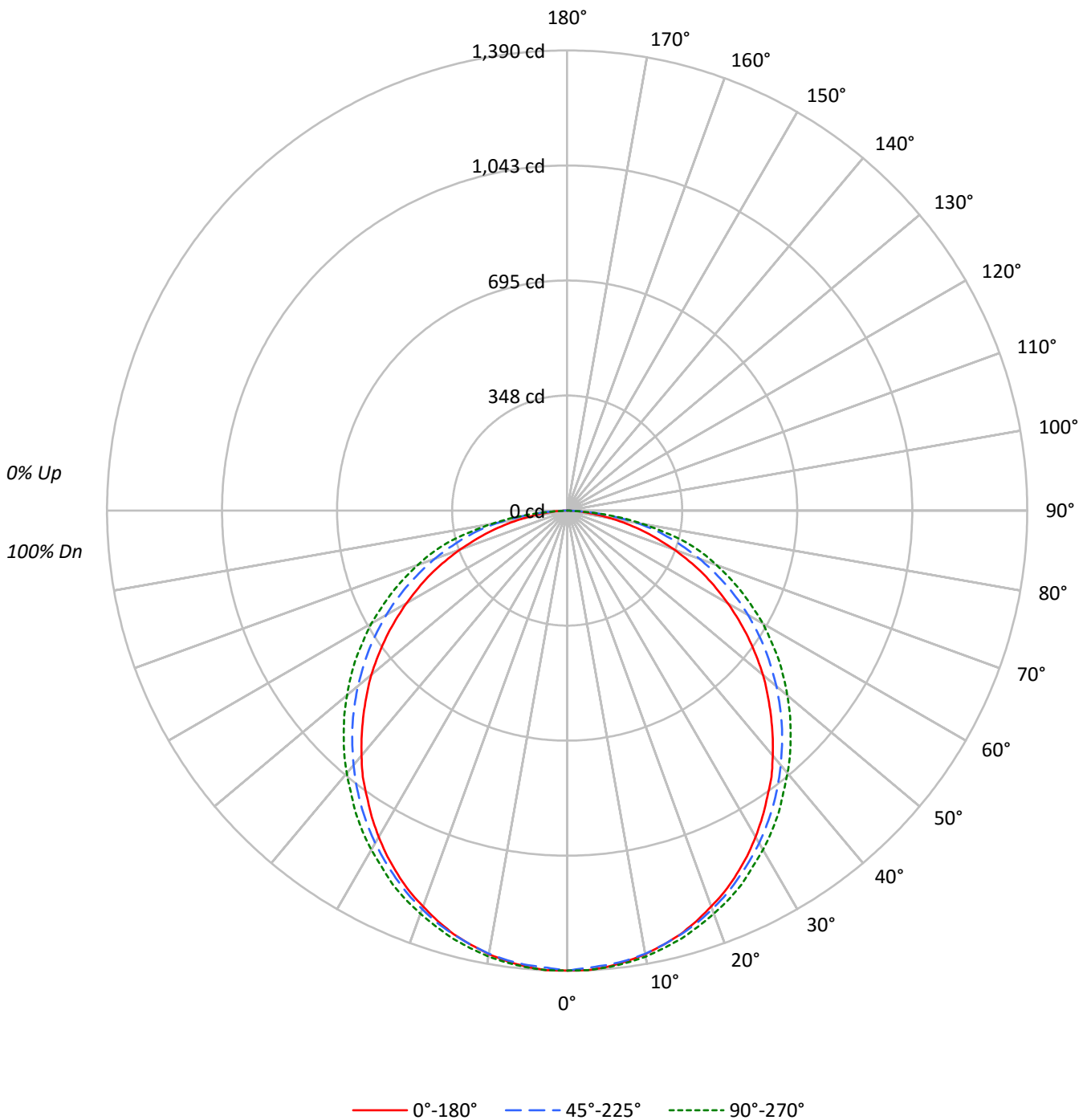
Lumens per Lamp: N/A  
Luminaire Lumens: 4044.7 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 36.3  
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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

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

	0°	45°	90°
0°	1870	1870	1870
5°	1869	1861	1871
10°	1859	1857	1869
15°	1845	1847	1863
20°	1822	1834	1855
25°	1799	1818	1851
30°	1768	1802	1838
35°	1732	1784	1829
40°	1697	1763	1819
45°	1655	1745	1817
50°	1618	1726	1817
55°	1565	1711	1826
60°	1508	1699	1838
65°	1449	1683	1853
70°	1352	1671	1887
75°	1232	1674	1945
80°	1018	1657	1791
85°	781	1315	1271



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.4	3.2
10°-20°	375.1	9.3
20°-30°	565.9	14.0
30°-40°	679.4	16.8
40°-50°	706.6	17.5
50°-60°	649.8	16.1
60°-70°	517.9	12.8
70°-80°	328.2	8.1
80°-90°	90.3	2.2
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°	1072.4	26.5
0°-40°	1751.9	43.3
0°-60°	3108.3	76.8
0°-90°	4044.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4044.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1390	1390	1390	1390	1390	
5°	1384	1384	1378	1385	1385	131
15°	1325	1325	1326	1336	1338	373
25°	1212	1218	1225	1242	1247	558
35°	1054	1066	1086	1106	1114	660
45°	870	888	917	946	955	671
55°	667	689	730	766	779	596
65°	455	478	529	569	582	448
75°	237	267	322	363	374	249
85°	51	72	85	84	82	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1389.6	1389.6	1389.6	1389.6	1389.6
2.5°	1389.6	1389.6	1382.3	1389.6	1389.6
5°	1383.8	1383.8	1378.0	1385.2	1385.2
7.5°	1373.7	1375.1	1370.8	1378.0	1378.0
10°	1360.7	1362.1	1359.2	1367.9	1367.9
12.5°	1343.3	1344.8	1343.3	1353.5	1353.5
15°	1324.6	1324.6	1326.0	1336.1	1337.6
17.5°	1300.0	1302.9	1305.8	1317.3	1317.3
20°	1272.6	1276.9	1281.2	1295.7	1295.7
22.5°	1245.1	1249.5	1255.2	1269.7	1272.6
25°	1211.9	1217.7	1224.9	1242.2	1246.6
27.5°	1177.2	1181.6	1193.1	1211.9	1213.3
30°	1138.2	1145.5	1159.9	1178.7	1183.0
32.5°	1097.8	1107.9	1123.8	1145.5	1149.8
35°	1054.5	1066.0	1086.2	1106.5	1113.7
37.5°	1014.0	1022.7	1045.8	1068.9	1073.2
40°	966.3	979.3	1003.9	1029.9	1035.7
42.5°	918.7	933.1	960.6	986.6	996.7
45°	869.6	888.3	917.2	946.1	954.8
47.5°	820.5	840.7	871.0	902.8	912.9
50°	772.8	791.6	824.8	858.0	868.1
52.5°	719.3	741.0	777.1	813.2	823.3
55°	667.3	689.0	729.5	765.6	778.6
57.5°	613.9	638.4	680.3	717.9	729.5
60°	560.4	586.4	631.2	668.8	683.2
62.5°	507.0	531.6	580.7	618.2	631.2
65°	455.0	478.1	528.7	569.1	582.1
67.5°	398.7	424.7	476.7	518.6	530.1
70°	343.8	369.8	424.7	468.0	479.6
72.5°	287.4	317.8	372.7	414.6	430.4
75°	236.9	267.2	322.1	362.6	374.1
77.5°	183.4	213.8	270.1	299.0	300.4
80°	131.4	166.1	213.8	225.3	231.1
82.5°	86.7	119.9	147.3	161.8	161.8
85°	50.6	72.2	85.2	83.8	82.3
87.5°	18.8	24.6	20.2	14.4	10.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)