

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: P302425

Luminaire Tested: **ZX-WO-55L835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-42)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-55L835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
FLAT LENS, STANDARD LUMEN PACKAGE.  
Light Source: (224)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

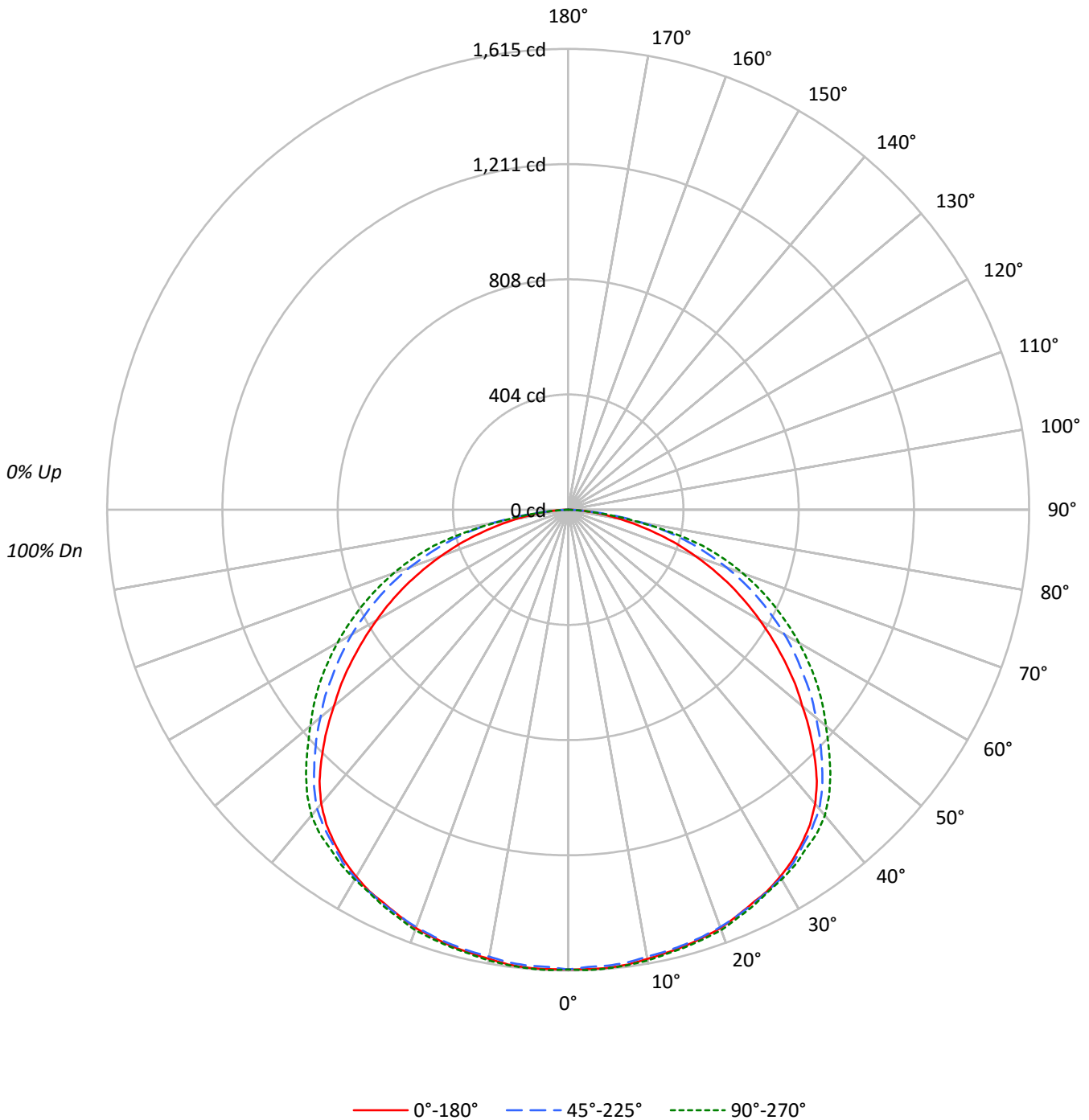
Lumens per Lamp: N/A  
Luminaire Lumens: 5331.0 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.37 / 1.39 / 1.48  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 43.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	89	82	76	95	87	81	75	84	78	74		81	76	72		77	74	70	68
3	89	78	69	63	86	76	68	62	73	67	61		71	65	60		68	63	59	57
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		49	43	38	36
7	63	50	41	34	62	49	40	34	47	39	34		46	39	34		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		41	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27		38	32	27		37	31	27	25
10	52	38	30	25	50	37	30	24	36	29	24		35	29	24		35	28	24	22

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

	0°	45°	90°
0°	2168	2168	2168
5°	2176	2166	2179
10°	2184	2173	2191
15°	2205	2198	2211
20°	2235	2229	2245
25°	2261	2267	2275
30°	2308	2316	2325
35°	2344	2356	2384
40°	2364	2404	2457
45°	2321	2393	2472
50°	2242	2372	2467
55°	2173	2358	2495
60°	2087	2356	2513
65°	1996	2344	2535
70°	1859	2318	2563
75°	1664	2261	2525
80°	1385	2086	1940
85°	1047	1221	1017



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.3	2.9
10°-20°	447.8	8.4
20°-30°	706.3	13.2
30°-40°	901.8	16.9
40°-50°	971.4	18.2
50°-60°	895.0	16.8
60°-70°	715.8	13.4
70°-80°	439.4	8.2
80°-90°	100.2	1.9
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°	1307.5	24.5
0°-40°	2209.3	41.4
0°-60°	4075.6	76.5
0°-90°	5331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1611	1611	1611	1611	1611	
5°	1611	1611	1604	1613	1613	153
15°	1583	1585	1578	1587	1587	448
25°	1523	1525	1527	1534	1532	704
35°	1427	1431	1434	1450	1451	892
45°	1220	1233	1258	1290	1299	939
55°	926	951	1005	1050	1064	828
65°	627	668	736	781	796	619
75°	320	371	435	474	486	341
85°	68	90	79	70	66	83
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1611.4	1611.4	1611.4	1611.4	1611.4
2.5°	1611.4	1613.3	1603.9	1613.3	1615.2
5°	1611.4	1611.4	1603.9	1613.3	1613.3
7.5°	1607.7	1607.7	1600.1	1609.6	1609.6
10°	1598.3	1598.3	1590.7	1600.1	1603.9
12.5°	1590.7	1590.7	1585.1	1594.5	1594.5
15°	1583.2	1585.1	1577.6	1587.0	1587.0
17.5°	1571.9	1571.9	1568.1	1575.7	1577.6
20°	1560.6	1560.6	1556.8	1566.3	1568.1
22.5°	1541.8	1543.7	1541.8	1549.3	1549.3
25°	1523.0	1524.8	1526.7	1534.3	1532.4
27.5°	1507.9	1509.8	1509.8	1517.3	1511.7
30°	1485.3	1491.0	1491.0	1494.7	1496.6
32.5°	1459.0	1466.5	1468.4	1475.9	1477.8
35°	1427.0	1430.7	1434.5	1449.5	1451.4
37.5°	1391.2	1400.6	1404.4	1425.1	1430.7
40°	1346.0	1357.3	1368.6	1394.9	1398.7
42.5°	1289.5	1302.7	1317.8	1346.0	1353.5
45°	1219.9	1233.1	1257.5	1289.5	1298.9
47.5°	1148.3	1163.4	1197.3	1231.2	1238.7
50°	1071.2	1093.7	1133.3	1172.8	1178.5
52.5°	1001.5	1024.1	1073.0	1114.5	1123.9
55°	926.2	950.7	1005.3	1050.4	1063.6
57.5°	850.9	882.9	941.3	986.4	999.6
60°	775.6	809.5	875.4	916.8	933.7
62.5°	702.2	739.8	805.7	852.8	866.0
65°	626.9	668.3	736.1	781.2	796.3
67.5°	549.7	593.0	664.5	709.7	724.8
70°	472.5	521.5	589.2	638.2	651.4
72.5°	399.1	444.3	512.0	555.3	572.3
75°	320.0	370.9	434.9	474.4	485.7
77.5°	248.5	297.4	353.9	378.4	374.6
80°	178.8	229.7	269.2	261.7	250.4
82.5°	120.5	161.9	167.5	156.2	152.5
85°	67.8	90.4	79.1	69.7	65.9
87.5°	28.2	24.5	13.2	5.6	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)