

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: P302065

Luminaire Tested: **ZX-WO-44L835-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-44L835-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (112)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

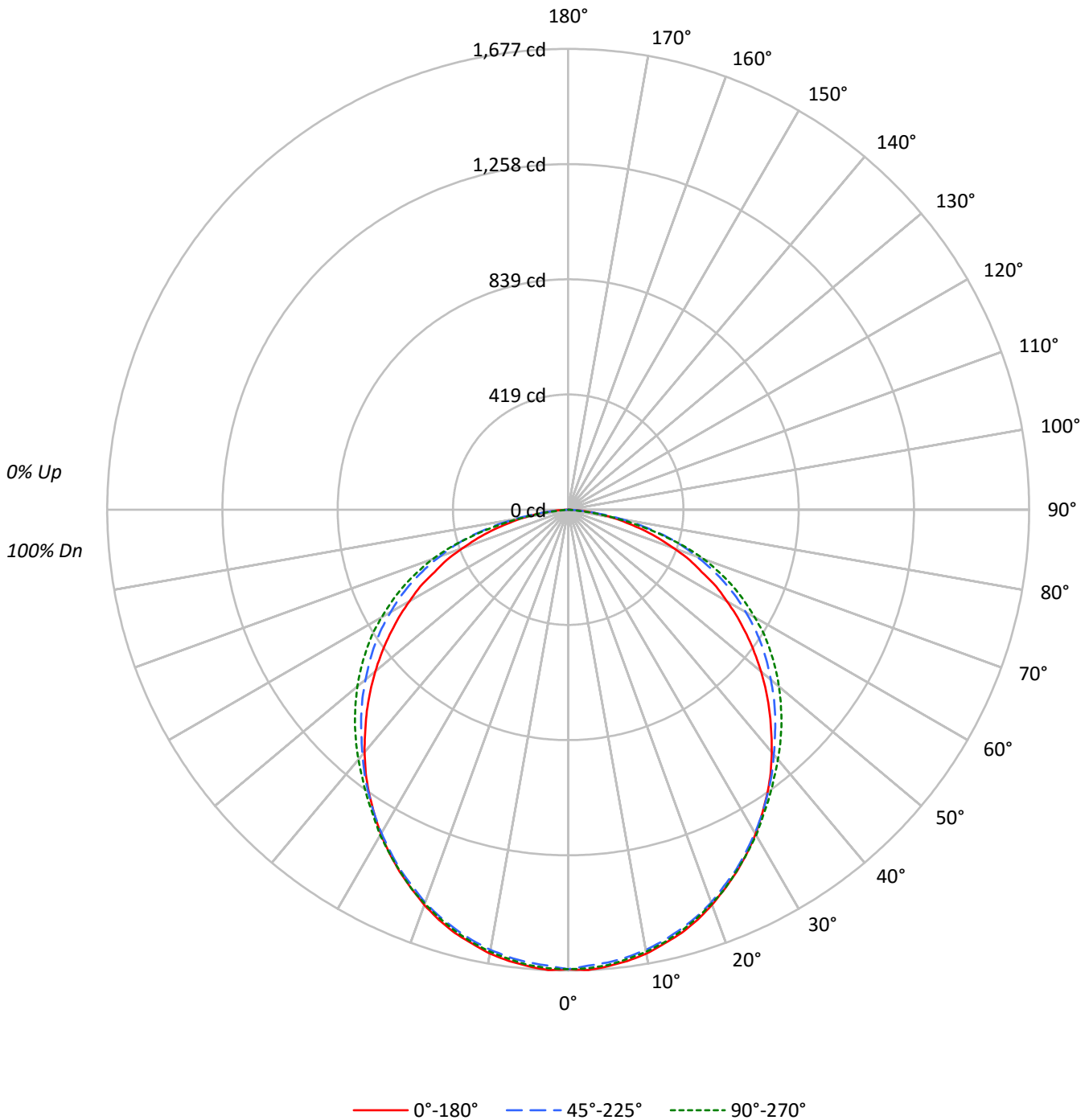
Lumens per Lamp: N/A  
Luminaire Lumens: 4683.2 lumens  
Efficiency: N/A  
Efficacy: 122.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 38.3  
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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

	0°	45°	90°
0°	4500	4500	4500
5°	4505	4468	4493
10°	4482	4444	4463
15°	4442	4404	4423
20°	4382	4356	4369
25°	4312	4292	4306
30°	4236	4221	4250
35°	4147	4154	4192
40°	4048	4088	4169
45°	3941	4054	4176
50°	3836	4028	4191
55°	3719	4031	4213
60°	3588	4019	4217
65°	3414	3997	4216
70°	3209	3911	4127
75°	2906	3740	3620
80°	2486	3017	2662
85°	1769	1414	423



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.7	3.4
10°-20°	447.8	9.6
20°-30°	667.9	14.3
30°-40°	793.6	16.9
40°-50°	823.7	17.6
50°-60°	761.7	16.3
60°-70°	606.8	13.0
70°-80°	355.2	7.6
80°-90°	68.9	1.5
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°	1273.4	27.2
0°-40°	2067.0	44.1
0°-60°	3652.4	78.0
0°-90°	4683.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4683.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1672	1672	1672	1672	1672	
5°	1668	1663	1654	1663	1663	158
15°	1594	1592	1581	1592	1588	449
25°	1452	1450	1446	1452	1450	669
35°	1262	1262	1265	1274	1276	789
45°	1036	1047	1065	1090	1097	799
55°	793	816	859	889	898	709
65°	536	575	628	653	662	534
75°	280	325	360	355	348	296
85°	57	69	46	23	14	72
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1672.3	1672.3	1672.3	1672.3	1672.3
2.5°	1676.9	1672.3	1660.9	1672.3	1670.0
5°	1667.7	1663.2	1654.0	1663.2	1663.2
7.5°	1656.3	1651.7	1642.5	1651.7	1649.4
10°	1640.3	1635.7	1626.5	1635.7	1633.4
12.5°	1617.3	1615.1	1605.9	1615.1	1612.8
15°	1594.4	1592.1	1580.7	1592.1	1587.6
17.5°	1564.7	1562.4	1553.2	1560.1	1557.8
20°	1530.3	1525.7	1521.1	1528.0	1525.7
22.5°	1491.4	1489.1	1482.2	1493.6	1491.4
25°	1452.4	1450.1	1445.5	1452.4	1450.1
27.5°	1408.9	1406.6	1402.0	1411.2	1408.9
30°	1363.1	1363.1	1358.5	1369.9	1367.6
32.5°	1312.7	1312.7	1312.7	1319.5	1319.5
35°	1262.3	1262.3	1264.6	1273.7	1276.0
37.5°	1209.6	1209.6	1216.4	1230.2	1230.2
40°	1152.3	1156.9	1163.8	1184.4	1186.7
42.5°	1092.7	1101.9	1113.4	1138.6	1143.1
45°	1035.5	1046.9	1065.3	1090.5	1097.3
47.5°	975.9	989.7	1014.9	1042.3	1049.2
50°	916.3	934.7	962.2	994.2	1001.1
52.5°	854.5	875.1	911.8	943.8	950.7
55°	792.6	815.5	859.1	888.9	898.0
57.5°	730.8	756.0	804.1	833.9	845.3
60°	666.6	694.1	746.8	774.3	783.5
62.5°	607.1	636.9	689.5	714.7	723.9
65°	536.1	575.0	627.7	652.9	662.1
67.5°	478.8	515.4	563.6	591.0	593.3
70°	407.8	453.6	497.1	520.0	524.6
72.5°	343.6	389.4	433.0	442.1	442.1
75°	279.5	325.3	359.7	355.1	348.2
77.5°	215.3	261.2	279.5	263.4	256.6
80°	160.4	199.3	194.7	178.7	171.8
82.5°	105.4	135.2	114.5	96.2	87.1
85°	57.3	68.7	45.8	22.9	13.7
87.5°	20.6	13.7	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)