

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: P302030

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-44L835-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (112)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

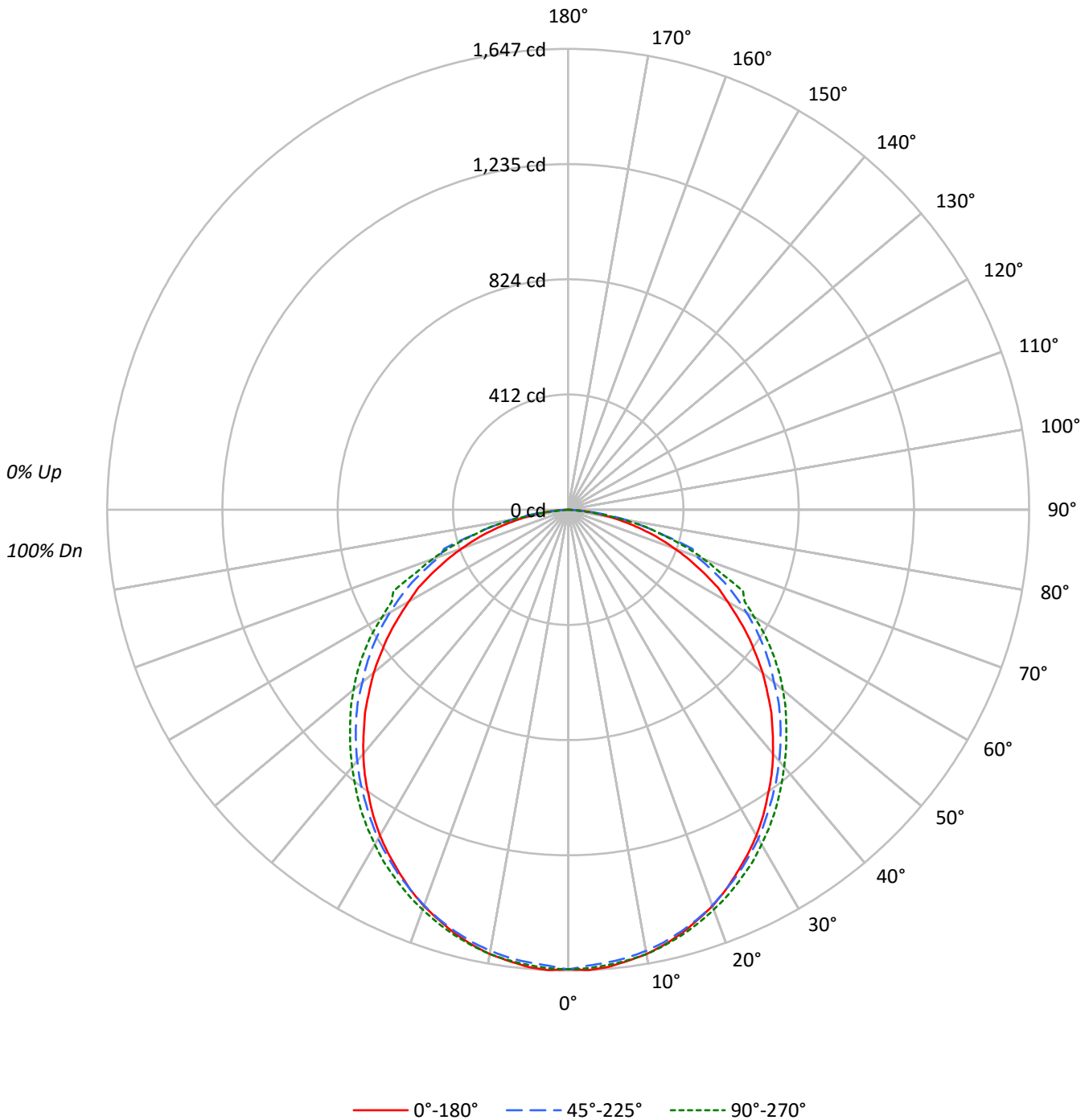
Lumens per Lamp: N/A  
Luminaire Lumens: 4670.2 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33					33			
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	4420	4420	4420
5°	4431	4387	4412
10°	4407	4376	4407
15°	4366	4346	4384
20°	4317	4310	4356
25°	4244	4265	4326
30°	4178	4221	4292
35°	4086	4162	4259
40°	4000	4120	4217
45°	3906	4080	4193
50°	3798	4019	4191
55°	3676	3998	4181
60°	3539	3958	4130
65°	3399	3924	4390
70°	3172	3840	4055
75°	2858	3716	3644
80°	2414	3195	3017
85°	1769	1556	565



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.1	3.3
10°-20°	442.1	9.5
20°-30°	664.6	14.2
30°-40°	795.0	17.0
40°-50°	824.2	17.6
50°-60°	755.8	16.2
60°-70°	601.3	12.9
70°-80°	357.3	7.6
80°-90°	74.9	1.6
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°	1261.8	27.0
0°-40°	2056.8	44.0
0°-60°	3636.8	77.9
0°-90°	4670.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4670.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1640	1636	1624	1636	1633	156
15°	1567	1565	1560	1574	1574	442
25°	1430	1432	1436	1457	1457	659
35°	1244	1251	1267	1292	1297	779
45°	1026	1042	1072	1095	1102	790
55°	784	811	852	887	891	699
65°	534	566	616	641	690	528
75°	275	314	357	355	350	292
85°	57	71	50	28	18	70
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1642.5	1642.5	1642.5	1642.5	1642.5
2.5°	1647.1	1642.5	1631.1	1642.5	1640.3
5°	1640.3	1635.7	1624.2	1635.7	1633.4
7.5°	1626.5	1624.2	1615.1	1626.5	1624.2
10°	1612.8	1608.2	1601.3	1612.8	1612.8
12.5°	1592.2	1587.6	1583.0	1596.7	1594.4
15°	1567.0	1564.7	1560.1	1573.8	1573.8
17.5°	1537.2	1537.2	1534.9	1548.6	1548.6
20°	1507.4	1505.1	1505.1	1521.1	1521.1
22.5°	1470.7	1470.7	1470.7	1491.4	1491.4
25°	1429.5	1431.8	1436.4	1457.0	1457.0
27.5°	1388.3	1392.8	1397.4	1418.0	1422.6
30°	1344.7	1347.0	1358.5	1379.1	1381.4
32.5°	1296.6	1301.2	1312.7	1335.6	1340.2
35°	1243.9	1250.8	1266.8	1292.0	1296.6
37.5°	1193.5	1202.7	1221.0	1246.2	1248.5
40°	1138.6	1150.0	1172.9	1195.8	1200.4
42.5°	1081.3	1095.0	1122.5	1147.7	1152.3
45°	1026.3	1042.3	1072.1	1095.0	1101.9
47.5°	964.5	982.8	1019.4	1046.9	1053.8
50°	907.2	925.5	959.9	994.2	1001.1
52.5°	843.0	868.2	907.2	941.5	948.4
55°	783.5	811.0	852.2	886.6	891.1
57.5°	719.3	749.1	794.9	827.0	833.9
60°	657.5	689.5	735.4	765.1	767.4
62.5°	602.5	630.0	675.8	703.3	710.2
65°	533.8	565.8	616.2	641.4	689.5
67.5°	469.6	501.7	549.8	634.6	588.8
70°	403.2	439.8	488.0	510.9	515.4
72.5°	341.3	378.0	465.0	439.8	437.6
75°	274.9	313.8	357.4	355.1	350.5
77.5°	213.1	254.3	279.5	281.8	281.8
80°	155.8	206.2	206.2	206.2	194.7
82.5°	100.8	132.9	132.9	114.5	103.1
85°	57.3	71.0	50.4	27.5	18.3
87.5°	20.6	16.0	4.6	4.6	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)