

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: P302178

Luminaire Tested: **RX-WO-39L840-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302178  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-39L840-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (196)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

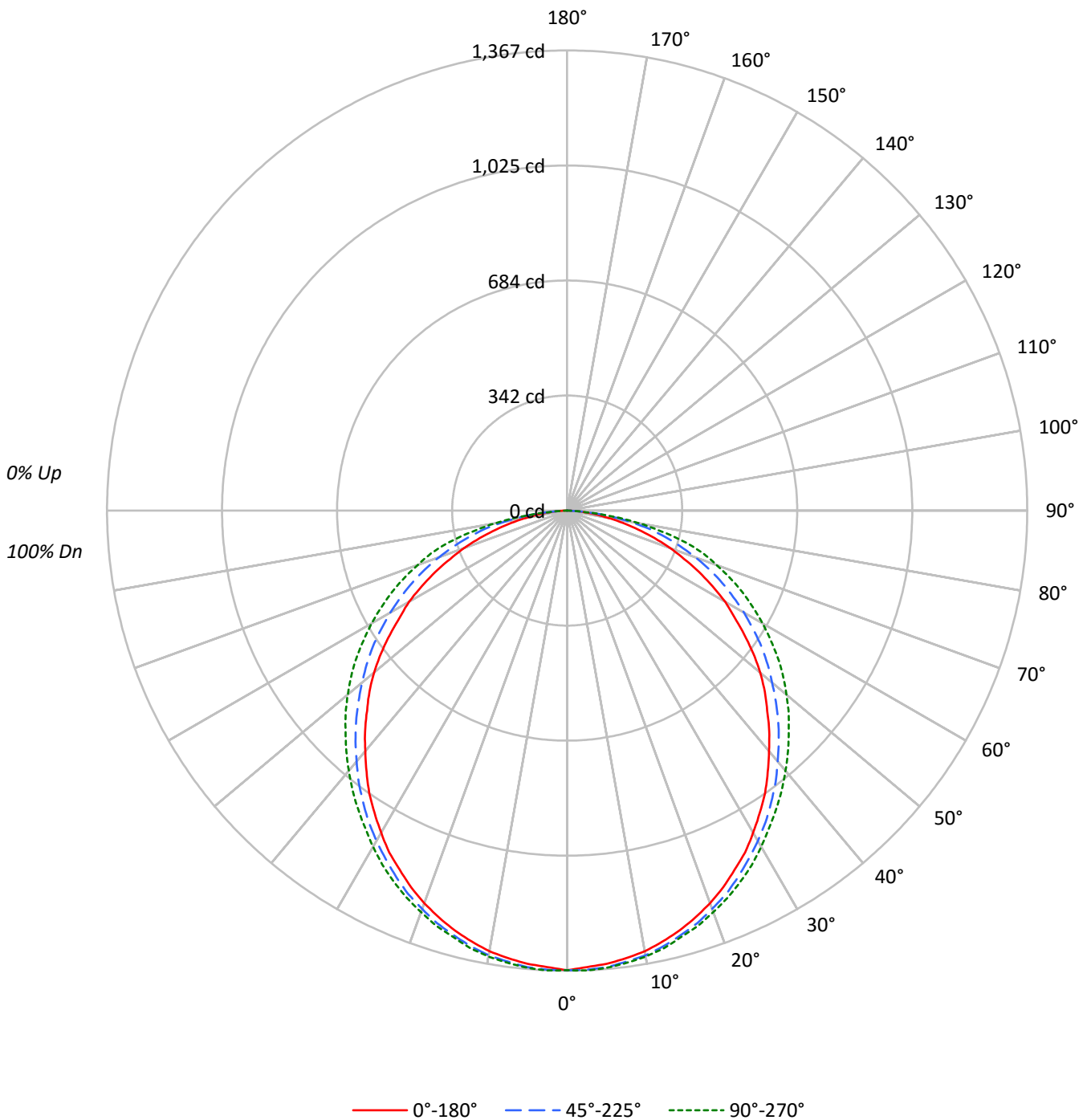
Lumens per Lamp: N/A  
Luminaire Lumens: 3908.8 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.3  
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	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

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

	0°	45°	90°
0°	3674	3674	3674
5°	3650	3677	3683
10°	3632	3665	3676
15°	3597	3636	3653
20°	3554	3606	3635
25°	3495	3567	3614
30°	3434	3521	3583
35°	3367	3472	3558
40°	3277	3418	3544
45°	3200	3375	3543
50°	3134	3327	3562
55°	3015	3306	3588
60°	2920	3265	3610
65°	2753	3238	3659
70°	2567	3182	3718
75°	2269	3122	3789
80°	1892	2916	3381
85°	1420	1979	1794



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.1	3.3
10°-20°	367.8	9.4
20°-30°	552.7	14.1
30°-40°	660.4	16.9
40°-50°	684.7	17.5
50°-60°	628.9	16.1
60°-70°	499.4	12.8
70°-80°	310.0	7.9
80°-90°	75.8	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°	1049.6	26.9
0°-40°	1710.0	43.7
0°-60°	3023.6	77.4
0°-90°	3908.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3908.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1365	1365	1365	1365	1365	
5°	1351	1355	1361	1363	1363	128
15°	1291	1295	1305	1311	1311	364
25°	1177	1185	1201	1215	1217	543
35°	1025	1035	1057	1077	1083	640
45°	841	853	887	921	931	650
55°	643	659	705	749	765	575
65°	432	452	508	556	575	428
75°	218	246	300	346	364	233
85°	46	56	64	62	58	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1365.3	1365.3	1365.3	1365.3	1365.3
2.5°	1357.3	1359.3	1365.3	1369.3	1367.3
5°	1351.3	1355.3	1361.3	1363.3	1363.3
7.5°	1341.3	1345.3	1351.3	1355.3	1355.3
10°	1329.3	1333.3	1341.3	1345.3	1345.3
12.5°	1311.3	1315.3	1325.3	1329.3	1331.3
15°	1291.3	1295.3	1305.3	1311.3	1311.3
17.5°	1267.2	1273.2	1285.3	1291.3	1293.3
20°	1241.2	1247.2	1259.2	1267.2	1269.2
22.5°	1211.2	1217.2	1233.2	1243.2	1245.2
25°	1177.2	1185.2	1201.2	1215.2	1217.2
27.5°	1145.1	1151.1	1167.1	1181.2	1187.2
30°	1105.1	1115.1	1133.1	1149.1	1153.1
32.5°	1065.0	1077.1	1097.1	1115.1	1117.1
35°	1025.0	1035.0	1057.0	1077.1	1083.1
37.5°	979.0	989.0	1017.0	1039.0	1047.0
40°	932.9	946.9	973.0	999.0	1009.0
42.5°	888.9	902.9	930.9	960.9	971.0
45°	840.8	852.8	886.9	920.9	930.9
47.5°	796.8	806.8	840.8	880.9	892.9
50°	748.7	756.7	794.8	838.8	850.8
52.5°	696.7	708.7	750.7	794.8	808.8
55°	642.6	658.6	704.7	748.7	764.7
57.5°	588.6	606.6	654.6	702.7	716.7
60°	542.5	554.5	606.6	654.6	670.7
62.5°	486.5	504.5	556.5	606.6	622.6
65°	432.4	452.4	508.5	556.5	574.6
67.5°	376.4	400.4	458.4	504.5	524.5
70°	326.3	350.3	404.4	452.4	472.5
72.5°	272.3	298.3	352.3	402.4	424.4
75°	218.2	246.2	300.3	346.3	364.4
77.5°	170.2	198.2	248.2	280.3	288.3
80°	122.1	146.1	188.2	210.2	218.2
82.5°	82.1	100.1	128.1	136.1	140.1
85°	46.0	56.1	64.1	62.1	58.1
87.5°	20.0	16.0	14.0	6.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)