

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: P302107

Luminaire Tested: **RX-WO-39H840-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302107  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-39H840-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

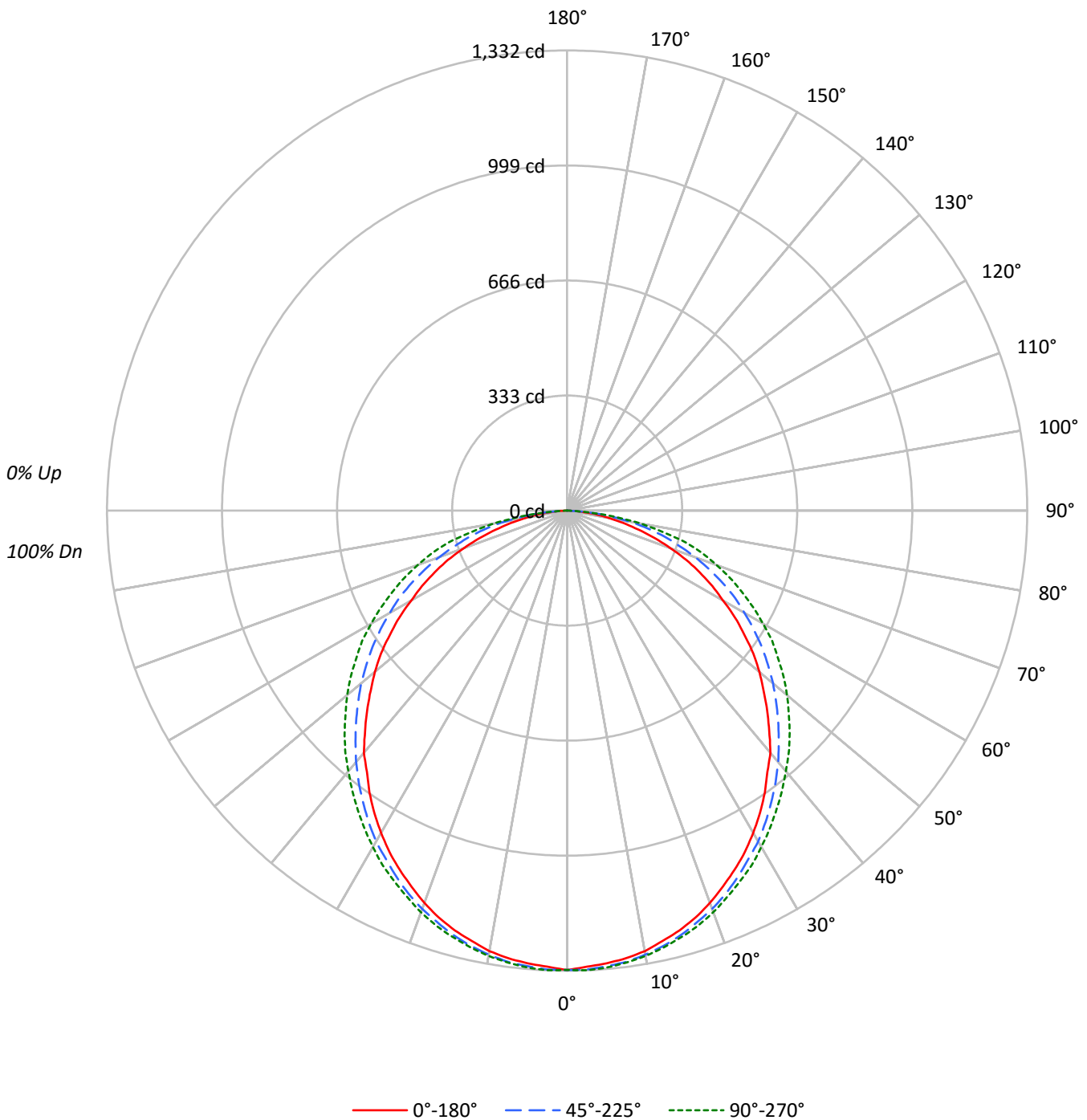
Lumens per Lamp: N/A  
Luminaire Lumens: 3811.4 lumens  
Efficiency: N/A  
Efficacy: 131.9 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.9  
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	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	45		57	50	45		55	49	44	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	52	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°	3578	3578	3578
5°	3553	3575	3586
10°	3538	3566	3577
15°	3504	3544	3562
20°	3461	3514	3543
25°	3406	3473	3515
30°	3347	3437	3494
35°	3276	3384	3471
40°	3215	3337	3460
45°	3116	3288	3467
50°	3041	3256	3479
55°	2936	3225	3495
60°	2805	3192	3523
65°	2691	3162	3554
70°	2502	3100	3616
75°	2219	3030	3691
80°	1877	2830	3340
85°	1331	1964	1902



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.7	3.3
10°-20°	358.2	9.4
20°-30°	538.3	14.1
30°-40°	644.0	16.9
40°-50°	667.8	17.5
50°-60°	614.2	16.1
60°-70°	487.5	12.8
70°-80°	301.1	7.9
80°-90°	74.8	2.0
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°	1022.2	26.8
0°-40°	1666.2	43.7
0°-60°	2948.1	77.3
0°-90°	3811.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3811.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1330	1330	1330	1330	1330	
5°	1315	1319	1324	1328	1328	125
15°	1258	1262	1272	1278	1278	355
25°	1147	1155	1170	1182	1184	528
35°	997	1008	1030	1051	1057	624
45°	819	833	864	899	911	632
55°	626	642	687	735	745	560
65°	423	441	497	544	558	418
75°	213	242	291	336	355	228
85°	43	55	64	64	62	54
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1329.7	1329.7	1329.7	1329.7	1329.7
2.5°	1321.4	1323.5	1329.7	1331.7	1331.7
5°	1315.3	1319.4	1323.5	1327.6	1327.6
7.5°	1307.1	1311.2	1317.3	1319.4	1319.4
10°	1294.8	1298.9	1305.0	1309.1	1309.1
12.5°	1276.3	1282.5	1290.7	1294.8	1294.8
15°	1257.8	1261.9	1272.2	1278.4	1278.4
17.5°	1235.3	1239.4	1249.6	1257.8	1259.9
20°	1208.6	1212.7	1227.1	1235.3	1237.3
22.5°	1177.8	1184.0	1200.4	1208.6	1210.6
25°	1147.0	1155.2	1169.6	1181.9	1184.0
27.5°	1114.2	1122.4	1136.8	1153.2	1157.3
30°	1077.3	1085.5	1106.0	1120.4	1124.5
32.5°	1038.3	1048.5	1069.1	1087.5	1091.6
35°	997.2	1007.5	1030.1	1050.6	1056.7
37.5°	952.1	966.5	991.1	1013.7	1021.9
40°	915.2	923.4	950.0	976.7	984.9
42.5°	865.9	878.2	907.0	937.7	950.0
45°	818.7	833.1	863.9	898.7	911.1
47.5°	771.5	785.9	820.8	857.7	870.0
50°	726.4	738.7	777.7	818.7	831.0
52.5°	679.2	691.5	732.5	777.7	790.0
55°	625.8	642.3	687.4	734.6	744.9
57.5°	576.6	593.0	640.2	685.3	703.8
60°	521.2	541.7	593.0	638.2	654.6
62.5°	474.0	490.4	547.9	593.0	607.4
65°	422.7	441.2	496.6	543.8	558.1
67.5°	373.5	391.9	445.3	492.5	510.9
70°	318.0	338.6	394.0	441.2	459.6
72.5°	266.8	291.4	340.6	389.9	410.4
75°	213.4	242.1	291.4	336.5	355.0
77.5°	166.2	190.8	238.0	268.8	279.1
80°	121.1	145.7	182.6	203.1	215.5
82.5°	82.1	96.4	125.2	139.5	139.5
85°	43.1	55.4	63.6	63.6	61.6
87.5°	14.4	16.4	12.3	6.2	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)