

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: P302033

Luminaire Tested: **RX-WO-20L840-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302033  
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-20L840-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (84)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

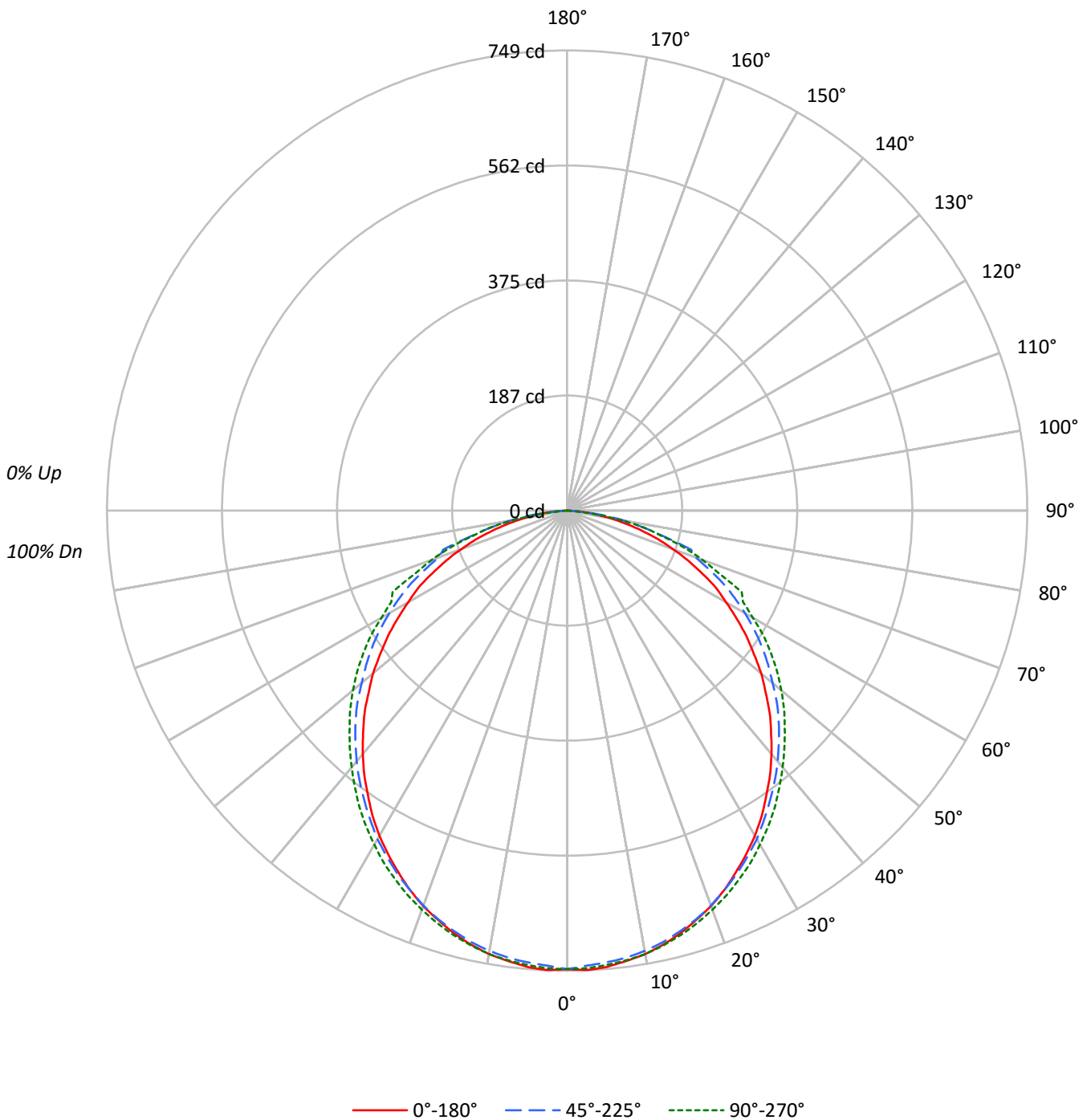
Lumens per Lamp: N/A  
Luminaire Lumens: 2122.7 lumens  
Efficiency: N/A  
Efficacy: 132.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	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°	2009	2009	2009
5°	2014	1994	2005
10°	2003	1989	2003
15°	1984	1975	1993
20°	1962	1959	1980
25°	1929	1938	1966
30°	1899	1918	1951
35°	1857	1892	1936
40°	1818	1873	1917
45°	1775	1854	1906
50°	1726	1827	1905
55°	1671	1817	1900
60°	1608	1799	1877
65°	1545	1784	1996
70°	1442	1745	1843
75°	1299	1688	1656
80°	1097	1452	1371
85°	803	707	256



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.5	3.3
10°-20°	200.9	9.5
20°-30°	302.1	14.2
30°-40°	361.3	17.0
40°-50°	374.6	17.6
50°-60°	343.5	16.2
60°-70°	273.3	12.9
70°-80°	162.4	7.6
80°-90°	34.0	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°	573.5	27.0
0°-40°	934.8	44.0
0°-60°	1653.0	77.9
0°-90°	2122.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	746	743	738	743	742	71
15°	712	711	709	715	715	201
25°	650	651	653	662	662	300
35°	565	568	576	587	589	354
45°	466	474	487	498	501	359
55°	356	369	387	403	405	318
65°	243	257	280	292	313	240
75°	125	143	162	161	159	133
85°	26	32	23	12	8	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	746.5	746.5	746.5	746.5	746.5
2.5°	748.6	746.5	741.3	746.5	745.5
5°	745.5	743.4	738.2	743.4	742.4
7.5°	739.3	738.2	734.1	739.3	738.2
10°	733.0	730.9	727.8	733.0	733.0
12.5°	723.6	721.6	719.5	725.7	724.7
15°	712.2	711.1	709.1	715.3	715.3
17.5°	698.7	698.7	697.6	703.9	703.9
20°	685.1	684.1	684.1	691.4	691.4
22.5°	668.5	668.5	668.5	677.8	677.8
25°	649.7	650.8	652.8	662.2	662.2
27.5°	631.0	633.1	635.1	644.5	646.6
30°	611.2	612.2	617.4	626.8	627.8
32.5°	589.3	591.4	596.6	607.0	609.1
35°	565.4	568.5	575.8	587.2	589.3
37.5°	542.5	546.6	555.0	566.4	567.5
40°	517.5	522.7	533.1	543.5	545.6
42.5°	491.5	497.7	510.2	521.6	523.7
45°	466.5	473.7	487.3	497.7	500.8
47.5°	438.3	446.7	463.3	475.8	479.0
50°	412.3	420.6	436.3	451.9	455.0
52.5°	383.2	394.6	412.3	427.9	431.1
55°	356.1	368.6	387.3	402.9	405.0
57.5°	326.9	340.5	361.3	375.9	379.0
60°	298.8	313.4	334.2	347.8	348.8
62.5°	273.8	286.3	307.2	319.7	322.8
65°	242.6	257.2	280.1	291.5	313.4
67.5°	213.4	228.0	249.9	288.4	267.6
70°	183.3	199.9	221.8	232.2	234.3
72.5°	155.1	171.8	211.4	199.9	198.9
75°	124.9	142.6	162.4	161.4	159.3
77.5°	96.8	115.6	127.0	128.1	128.1
80°	70.8	93.7	93.7	93.7	88.5
82.5°	45.8	60.4	60.4	52.1	46.9
85°	26.0	32.3	22.9	12.5	8.3
87.5°	9.4	7.3	2.1	2.1	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)