

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: P302051

Luminaire Tested: **RX-WO-20L940-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302051  
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-20L940-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (84)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

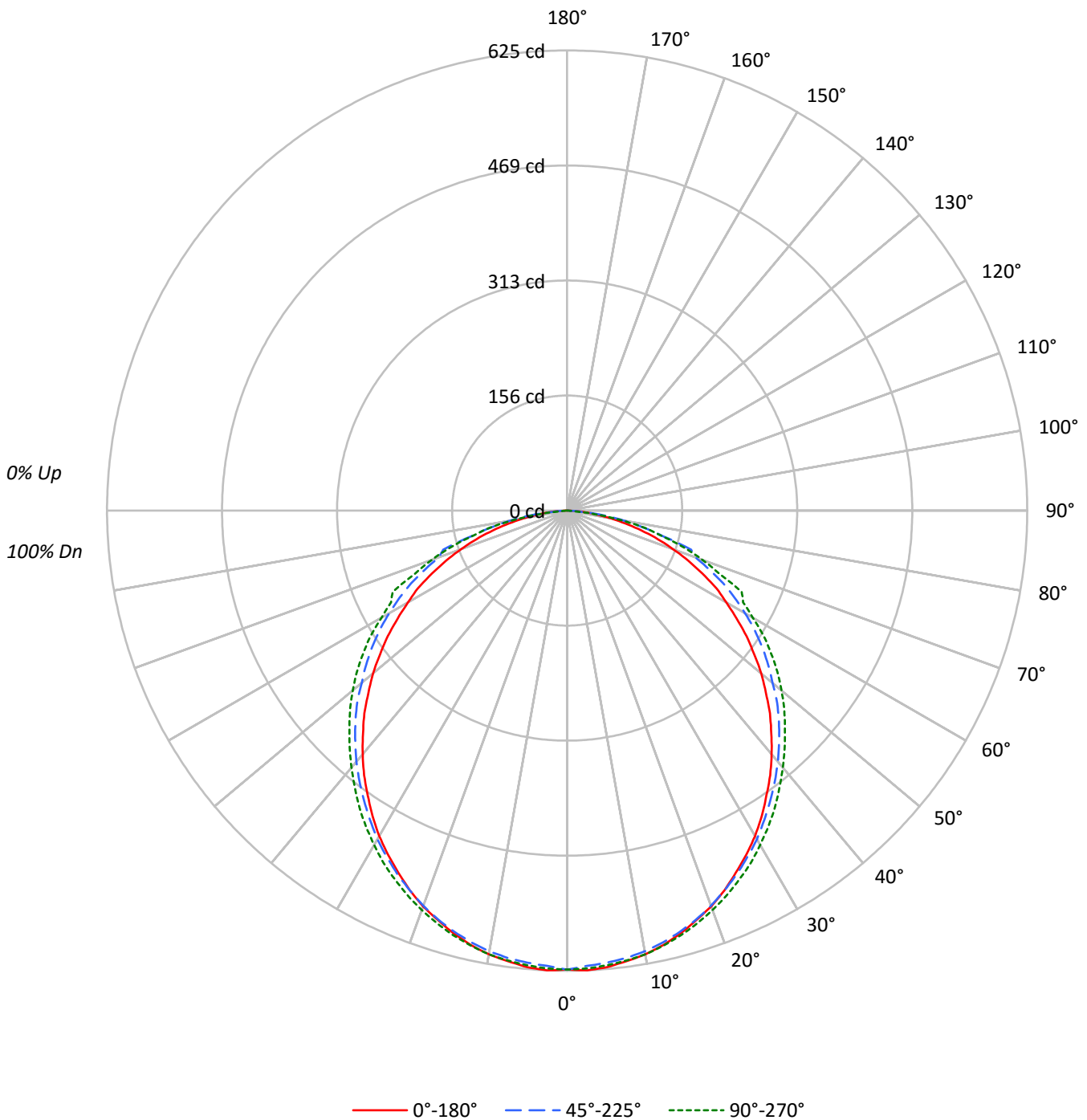
Lumens per Lamp: N/A  
Luminaire Lumens: 1772.5 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
Input Voltage (V): 120  
Input Current (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	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°	1678	1678	1678
5°	1682	1665	1675
10°	1673	1661	1673
15°	1657	1650	1664
20°	1638	1636	1653
25°	1611	1619	1642
30°	1586	1602	1629
35°	1551	1579	1617
40°	1518	1564	1600
45°	1482	1549	1592
50°	1441	1525	1591
55°	1395	1517	1587
60°	1343	1502	1568
65°	1290	1489	1666
70°	1204	1457	1539
75°	1084	1410	1383
80°	916	1213	1145
85°	670	590	216



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.9	3.3
10°-20°	167.8	9.5
20°-30°	252.2	14.2
30°-40°	301.7	17.0
40°-50°	312.8	17.6
50°-60°	286.9	16.2
60°-70°	228.2	12.9
70°-80°	135.6	7.6
80°-90°	28.4	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°	478.9	27.0
0°-40°	780.6	44.0
0°-60°	1380.3	77.9
0°-90°	1772.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1772.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	622	621	616	621	620	59
15°	595	594	592	597	597	168
25°	542	543	545	553	553	250
35°	472	475	481	490	492	296
45°	390	396	407	416	418	300
55°	297	308	323	336	338	265
65°	203	215	234	243	262	201
75°	104	119	136	135	133	111
85°	22	27	19	10	7	26
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	623.4	623.4	623.4	623.4	623.4
2.5°	625.1	623.4	619.1	623.4	622.5
5°	622.5	620.8	616.4	620.8	619.9
7.5°	617.3	616.4	613.0	617.3	616.4
10°	612.1	610.4	607.8	612.1	612.1
12.5°	604.3	602.5	600.8	606.0	605.1
15°	594.7	593.8	592.1	597.3	597.3
17.5°	583.4	583.4	582.5	587.8	587.8
20°	572.1	571.2	571.2	577.3	577.3
22.5°	558.2	558.2	558.2	566.0	566.0
25°	542.5	543.4	545.2	553.0	553.0
27.5°	526.9	528.6	530.4	538.2	539.9
30°	510.4	511.2	515.6	523.4	524.3
32.5°	492.1	493.9	498.2	506.9	508.6
35°	472.1	474.7	480.8	490.4	492.1
37.5°	453.0	456.5	463.4	473.0	473.9
40°	432.1	436.5	445.2	453.9	455.6
42.5°	410.4	415.6	426.0	435.6	437.3
45°	389.5	395.6	406.9	415.6	418.2
47.5°	366.0	373.0	386.9	397.3	400.0
50°	344.3	351.3	364.3	377.3	380.0
52.5°	320.0	329.5	344.3	357.3	360.0
55°	297.4	307.8	323.4	336.5	338.2
57.5°	273.0	284.3	301.7	313.9	316.5
60°	249.5	261.7	279.1	290.4	291.3
62.5°	228.7	239.1	256.5	266.9	269.5
65°	202.6	214.8	233.9	243.4	261.7
67.5°	178.2	190.4	208.7	240.8	223.5
70°	153.0	166.9	185.2	193.9	195.6
72.5°	129.5	143.5	176.5	166.9	166.1
75°	104.3	119.1	135.6	134.8	133.0
77.5°	80.9	96.5	106.1	106.9	106.9
80°	59.1	78.3	78.3	78.3	73.9
82.5°	38.3	50.4	50.4	43.5	39.1
85°	21.7	27.0	19.1	10.4	7.0
87.5°	7.8	6.1	1.7	1.7	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)