

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: P302121

Luminaire Tested: **RX-WO-20H940-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302121  
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-20H940-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (168)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

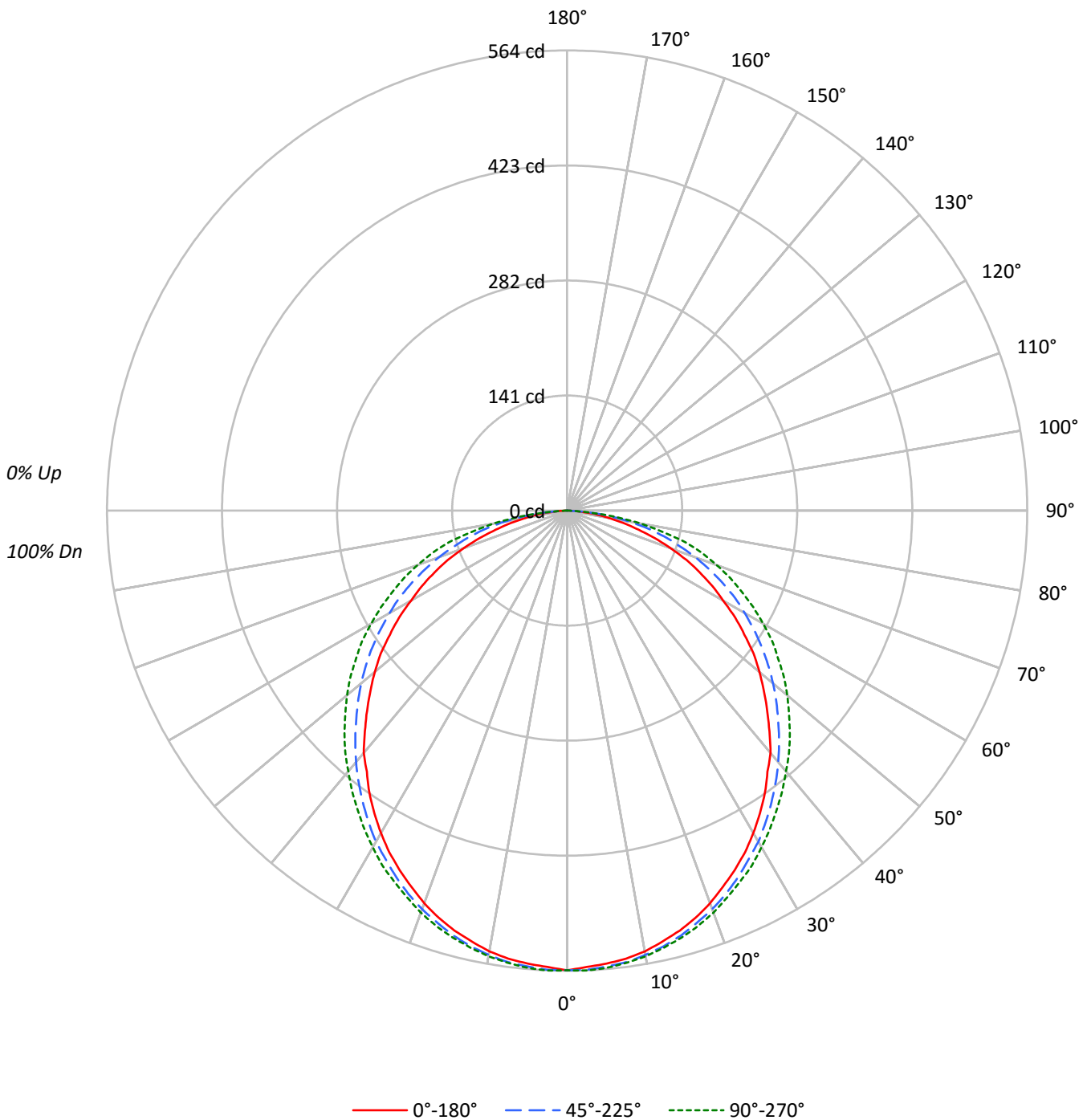
Lumens per Lamp: N/A  
Luminaire Lumens: 1615.0 lumens  
Efficiency: N/A  
Efficacy: 108.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.9  
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	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°	1516	1516	1516
5°	1505	1515	1519
10°	1499	1511	1516
15°	1485	1502	1509
20°	1466	1489	1501
25°	1443	1472	1490
30°	1418	1456	1481
35°	1388	1434	1471
40°	1362	1414	1466
45°	1320	1393	1469
50°	1289	1379	1474
55°	1244	1367	1481
60°	1188	1352	1493
65°	1140	1340	1506
70°	1061	1313	1533
75°	940	1284	1564
80°	795	1199	1415
85°	565	834	806



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.3	3.3
10°-20°	151.8	9.4
20°-30°	228.1	14.1
30°-40°	272.9	16.9
40°-50°	282.9	17.5
50°-60°	260.2	16.1
60°-70°	206.5	12.8
70°-80°	127.6	7.9
80°-90°	31.7	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°	433.1	26.8
0°-40°	706.0	43.7
0°-60°	1249.2	77.3
0°-90°	1615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1615.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	563	563	563	563	563	
5°	557	559	561	562	562	53
15°	533	535	539	542	542	150
25°	486	490	496	501	502	224
35°	423	427	436	445	448	264
45°	347	353	366	381	386	268
55°	265	272	291	311	316	237
65°	179	187	210	230	236	177
75°	90	103	124	143	150	97
85°	18	24	27	27	26	23
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	563.4	563.4	563.4	563.4	563.4
2.5°	559.9	560.8	563.4	564.3	564.3
5°	557.3	559.1	560.8	562.5	562.5
7.5°	553.8	555.6	558.2	559.1	559.1
10°	548.6	550.4	553.0	554.7	554.7
12.5°	540.8	543.4	546.9	548.6	548.6
15°	533.0	534.7	539.1	541.7	541.7
17.5°	523.4	525.2	529.5	533.0	533.8
20°	512.1	513.9	519.9	523.4	524.3
22.5°	499.1	501.7	508.6	512.1	513.0
25°	486.0	489.5	495.6	500.8	501.7
27.5°	472.1	475.6	481.7	488.6	490.4
30°	456.5	459.9	468.6	474.7	476.5
32.5°	439.9	444.3	453.0	460.8	462.6
35°	422.6	426.9	436.5	445.2	447.8
37.5°	403.4	409.5	419.9	429.5	433.0
40°	387.8	391.3	402.6	413.9	417.3
42.5°	366.9	372.1	384.3	397.3	402.6
45°	346.9	353.0	366.0	380.8	386.0
47.5°	326.9	333.0	347.8	363.4	368.7
50°	307.8	313.0	329.5	346.9	352.1
52.5°	287.8	293.0	310.4	329.5	334.7
55°	265.2	272.1	291.3	311.3	315.6
57.5°	244.3	251.3	271.3	290.4	298.2
60°	220.8	229.5	251.3	270.4	277.4
62.5°	200.8	207.8	232.1	251.3	257.4
65°	179.1	186.9	210.4	230.4	236.5
67.5°	158.2	166.1	188.7	208.7	216.5
70°	134.8	143.5	166.9	186.9	194.8
72.5°	113.0	123.5	144.3	165.2	173.9
75°	90.4	102.6	123.5	142.6	150.4
77.5°	70.4	80.9	100.9	113.9	118.2
80°	51.3	61.7	77.4	86.1	91.3
82.5°	34.8	40.9	53.0	59.1	59.1
85°	18.3	23.5	27.0	27.0	26.1
87.5°	6.1	7.0	5.2	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)