

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: P302111

Luminaire Tested: **RX-WO-29H930-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302111  
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-29H930-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

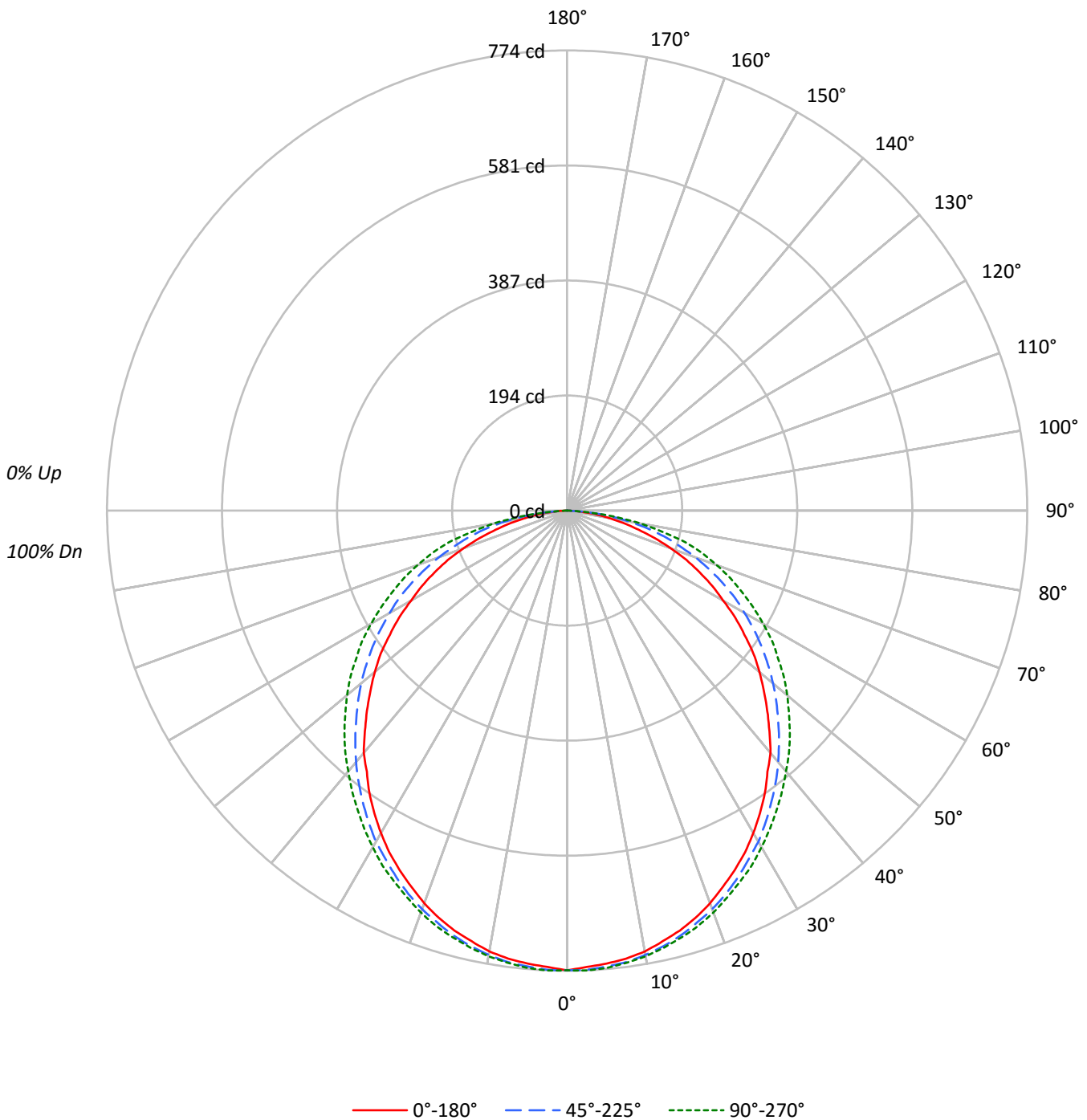
Lumens per Lamp: N/A  
Luminaire Lumens: 2216.2 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.1  
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°	2081	2081	2081
5°	2066	2079	2085
10°	2057	2073	2080
15°	2038	2061	2071
20°	2013	2043	2060
25°	1980	2019	2044
30°	1946	1998	2032
35°	1905	1968	2019
40°	1869	1940	2012
45°	1812	1912	2016
50°	1768	1893	2023
55°	1707	1875	2032
60°	1631	1856	2048
65°	1565	1838	2066
70°	1455	1803	2103
75°	1290	1761	2146
80°	1091	1646	1942
85°	775	1142	1105



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.1	3.3
10°-20°	208.3	9.4
20°-30°	313.0	14.1
30°-40°	374.5	16.9
40°-50°	388.3	17.5
50°-60°	357.1	16.1
60°-70°	283.4	12.8
70°-80°	175.1	7.9
80°-90°	43.5	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°	594.4	26.8
0°-40°	968.8	43.7
0°-60°	1714.2	77.3
0°-90°	2216.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2216.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	765	767	770	772	772	73
15°	731	734	740	743	743	206
25°	667	672	680	687	688	307
35°	580	586	599	611	614	363
45°	476	484	502	523	530	368
55°	364	374	400	427	433	326
65°	246	256	289	316	324	243
75°	124	141	169	196	206	133
85°	25	32	37	37	36	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	773.2	773.2	773.2	773.2	773.2
2.5°	768.4	769.6	773.2	774.3	774.3
5°	764.8	767.2	769.6	772.0	772.0
7.5°	760.0	762.4	766.0	767.2	767.2
10°	752.9	755.3	758.8	761.2	761.2
12.5°	742.1	745.7	750.5	752.9	752.9
15°	731.4	733.8	739.7	743.3	743.3
17.5°	718.3	720.7	726.6	731.4	732.6
20°	702.8	705.1	713.5	718.3	719.5
22.5°	684.9	688.4	698.0	702.8	703.9
25°	667.0	671.7	680.1	687.2	688.4
27.5°	647.9	652.6	661.0	670.5	672.9
30°	626.4	631.2	643.1	651.5	653.8
32.5°	603.7	609.7	621.6	632.4	634.7
35°	579.9	585.8	599.0	610.9	614.5
37.5°	553.6	562.0	576.3	589.4	594.2
40°	532.1	536.9	552.4	567.9	572.7
42.5°	503.5	510.7	527.4	545.3	552.4
45°	476.1	484.4	502.3	522.6	529.8
47.5°	448.6	457.0	477.3	498.7	505.9
50°	422.4	429.5	452.2	476.1	483.2
52.5°	394.9	402.1	425.9	452.2	459.4
55°	363.9	373.5	399.7	427.1	433.1
57.5°	335.3	344.8	372.3	398.5	409.2
60°	303.1	315.0	344.8	371.1	380.6
62.5°	275.6	285.2	318.6	344.8	353.2
65°	245.8	256.5	288.7	316.2	324.5
67.5°	217.2	227.9	258.9	286.4	297.1
70°	184.9	196.9	229.1	256.5	267.3
72.5°	155.1	169.4	198.1	226.7	238.6
75°	124.1	140.8	169.4	195.7	206.4
77.5°	96.6	111.0	138.4	156.3	162.3
80°	70.4	84.7	106.2	118.1	125.3
82.5°	47.7	56.1	72.8	81.1	81.1
85°	25.1	32.2	37.0	37.0	35.8
87.5°	8.4	9.5	7.2	3.6	2.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)