

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: P302117

Luminaire Tested: **RX-WO-29H935-UNV-22-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302117  
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-29H935-UNV-22-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (294)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

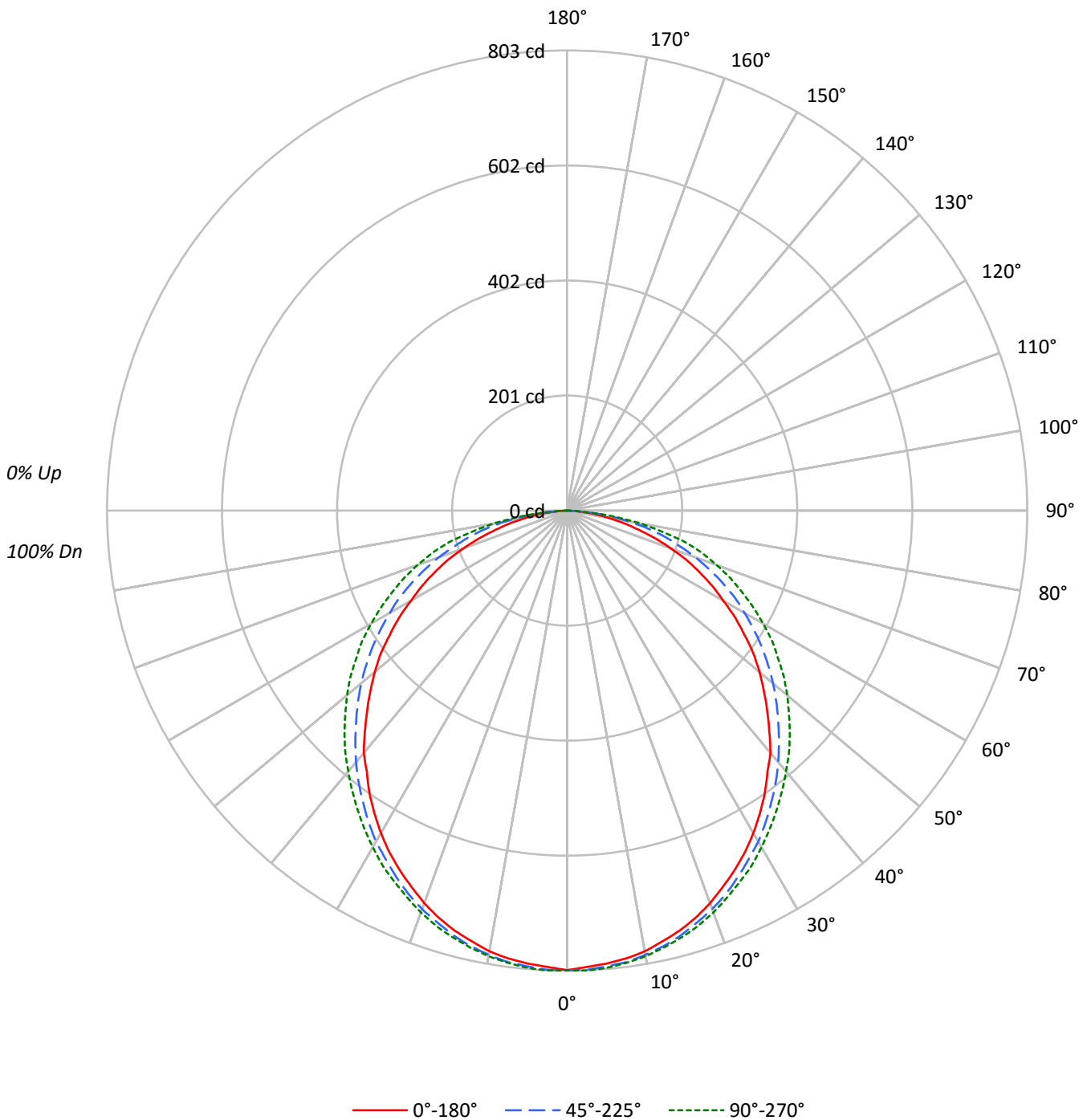
Lumens per Lamp: N/A  
Luminaire Lumens: 2298.9 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

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°	2158	2158	2158
5°	2143	2156	2163
10°	2134	2151	2158
15°	2114	2138	2148
20°	2088	2119	2137
25°	2054	2095	2120
30°	2019	2073	2107
35°	1976	2041	2094
40°	1939	2013	2087
45°	1879	1983	2091
50°	1834	1964	2098
55°	1771	1945	2108
60°	1692	1925	2125
65°	1624	1907	2143
70°	1509	1869	2181
75°	1338	1827	2226
80°	1131	1708	2015
85°	803	1186	1145



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.8	3.3
10°-20°	216.1	9.4
20°-30°	324.7	14.1
30°-40°	388.4	16.9
40°-50°	402.8	17.5
50°-60°	370.4	16.1
60°-70°	294.0	12.8
70°-80°	181.6	7.9
80°-90°	45.1	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°	616.5	26.8
0°-40°	1005.0	43.7
0°-60°	1778.2	77.3
0°-90°	2298.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2298.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	802	802	802	802	802	
5°	793	796	798	801	801	75
15°	759	761	767	771	771	214
25°	692	697	706	713	714	319
35°	602	608	621	634	637	376
45°	494	502	521	542	550	381
55°	378	387	415	443	449	338
65°	255	266	300	328	337	252
75°	129	146	176	203	214	138
85°	26	33	38	38	37	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	802.0	802.0	802.0	802.0	802.0
2.5°	797.0	798.3	802.0	803.2	803.2
5°	793.3	795.8	798.3	800.8	800.8
7.5°	788.4	790.9	794.6	795.8	795.8
10°	781.0	783.4	787.1	789.6	789.6
12.5°	769.8	773.5	778.5	781.0	781.0
15°	758.7	761.2	767.3	771.1	771.1
17.5°	745.1	747.5	753.7	758.7	759.9
20°	729.0	731.4	740.1	745.1	746.3
22.5°	710.4	714.1	724.0	729.0	730.2
25°	691.8	696.8	705.5	712.9	714.1
27.5°	672.0	677.0	685.7	695.6	698.0
30°	649.8	654.7	667.1	675.8	678.2
32.5°	626.2	632.4	644.8	656.0	658.4
35°	601.5	607.7	621.3	633.7	637.4
37.5°	574.3	582.9	597.8	611.4	616.3
40°	552.0	556.9	573.0	589.1	594.1
42.5°	522.3	529.7	547.0	565.6	573.0
45°	493.8	502.5	521.0	542.1	549.5
47.5°	465.4	474.0	495.1	517.3	524.8
50°	438.1	445.6	469.1	493.8	501.2
52.5°	409.7	417.1	441.8	469.1	476.5
55°	377.5	387.4	414.6	443.1	449.3
57.5°	347.8	357.7	386.1	413.4	424.5
60°	314.4	326.7	357.7	384.9	394.8
62.5°	285.9	295.8	330.5	357.7	366.3
65°	255.0	266.1	299.5	328.0	336.6
67.5°	225.3	236.4	268.6	297.0	308.2
70°	191.8	204.2	237.6	266.1	277.2
72.5°	160.9	175.7	205.4	235.2	247.5
75°	128.7	146.0	175.7	203.0	214.1
77.5°	100.2	115.1	143.6	162.1	168.3
80°	73.0	87.9	110.2	122.5	130.0
82.5°	49.5	58.2	75.5	84.2	84.2
85°	26.0	33.4	38.4	38.4	37.1
87.5°	8.7	9.9	7.4	3.7	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)