

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: P302401

Luminaire Tested: **RX-WO-30L940-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302401  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-30L940-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

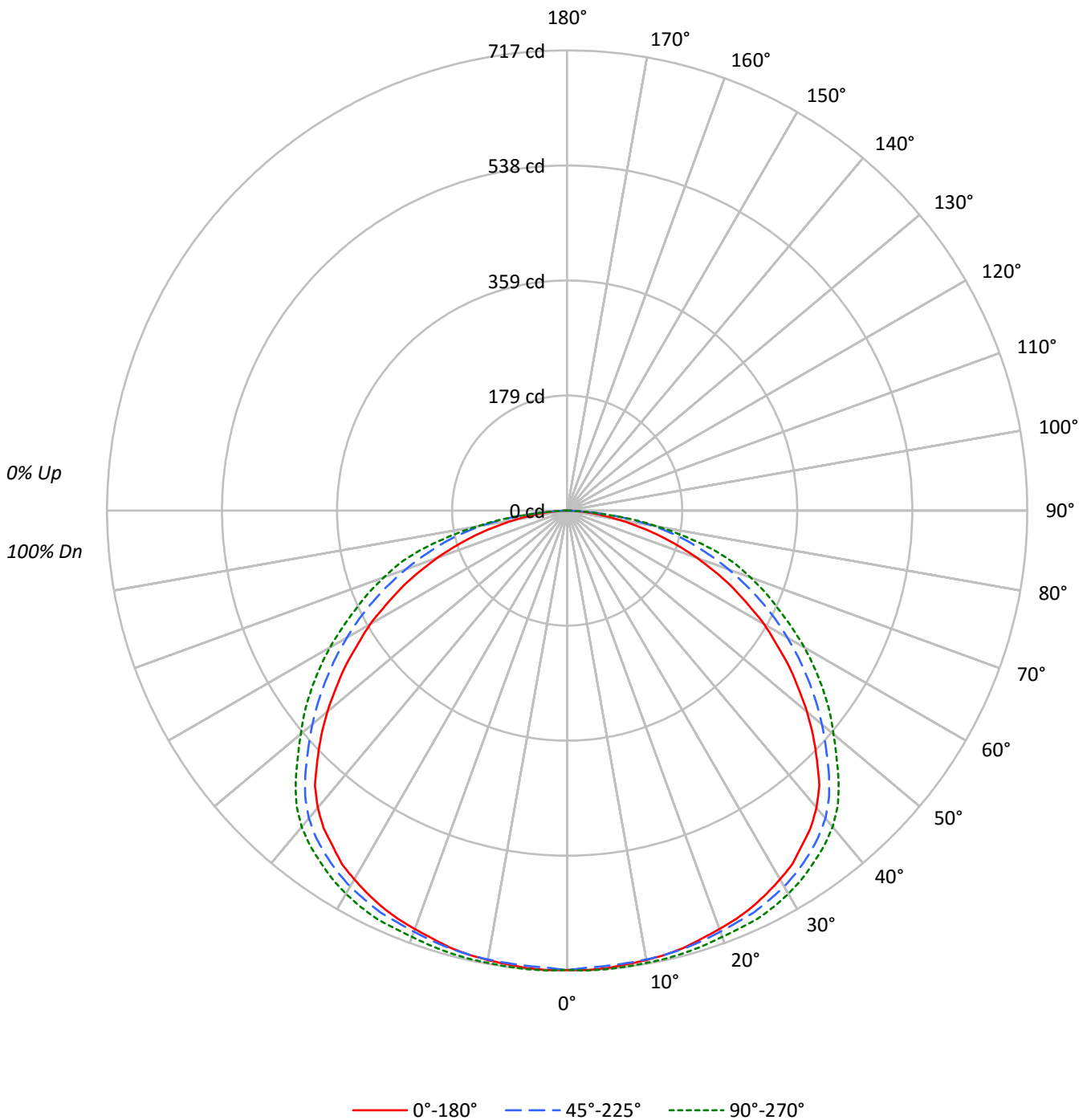
Lumens per Lamp: N/A  
Luminaire Lumens: 2436.7 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.3  
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	103	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	963	963	963
5°	967	962	969
10°	972	970	978
15°	982	983	993
20°	993	1000	1012
25°	1012	1025	1042
30°	1031	1051	1071
35°	1047	1077	1100
40°	1061	1100	1130
45°	1047	1097	1138
50°	1021	1085	1134
55°	989	1075	1142
60°	954	1067	1149
65°	908	1060	1157
70°	845	1054	1194
75°	760	1058	1225
80°	627	1044	1118
85°	457	778	726



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.2	2.8
10°-20°	200.4	8.2
20°-30°	319.1	13.1
30°-40°	410.3	16.8
40°-50°	443.6	18.2
50°-60°	408.1	16.7
60°-70°	325.3	13.4
70°-80°	206.7	8.5
80°-90°	55.1	2.3
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°	587.7	24.1
0°-40°	997.9	41.0
0°-60°	1849.6	75.9
0°-90°	2436.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2436.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	716	716	716	716	716	
5°	716	716	712	716	717	68
15°	705	706	706	712	713	199
25°	682	684	690	698	702	315
35°	637	644	656	668	670	399
45°	550	560	576	592	598	424
55°	422	434	458	479	487	376
65°	285	300	333	357	363	281
75°	146	167	204	230	236	155
85°	30	46	50	50	47	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	715.6	715.6	715.6	715.6	715.6
2.5°	716.4	716.4	713.0	717.3	717.3
5°	715.6	715.6	712.1	716.4	717.3
7.5°	713.0	713.8	711.2	715.6	716.4
10°	711.2	712.1	710.3	714.7	715.6
12.5°	708.6	709.5	708.6	713.8	714.7
15°	705.1	706.0	706.0	712.1	713.0
17.5°	699.0	700.8	702.5	709.5	710.3
20°	693.8	695.6	698.2	706.0	706.9
22.5°	688.6	690.4	693.8	703.4	704.3
25°	681.7	684.3	690.4	698.2	701.7
27.5°	673.0	678.2	683.4	693.0	696.4
30°	663.4	668.6	676.4	686.9	689.5
32.5°	653.0	658.2	666.9	678.2	680.8
35°	637.3	644.3	655.6	667.7	669.5
37.5°	623.4	630.4	642.5	655.6	658.2
40°	604.3	613.0	626.0	638.2	643.4
42.5°	581.7	590.4	604.3	619.1	624.3
45°	550.4	559.9	576.5	592.1	598.2
47.5°	519.9	528.6	546.9	565.1	569.5
50°	487.8	498.2	518.2	537.3	541.7
52.5°	453.9	466.9	488.6	508.6	515.6
55°	421.7	433.9	458.2	479.1	486.9
57.5°	386.0	400.8	427.8	450.4	457.3
60°	354.7	367.8	396.5	419.9	426.9
62.5°	318.2	333.9	365.2	388.6	394.7
65°	285.2	300.0	333.0	357.3	363.4
67.5°	249.5	266.9	300.0	325.2	334.7
70°	214.8	233.0	267.8	293.9	303.4
72.5°	180.0	200.0	234.8	261.7	273.9
75°	146.1	166.9	203.5	230.4	235.6
77.5°	112.2	135.6	170.4	189.5	189.5
80°	80.9	104.3	134.8	140.0	144.3
82.5°	53.9	75.6	92.2	97.4	98.2
85°	29.6	46.1	50.4	50.4	47.0
87.5°	11.3	14.8	10.4	5.2	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)