

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: P302381

Luminaire Tested: **RX-WO-30L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302381  
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-30L930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

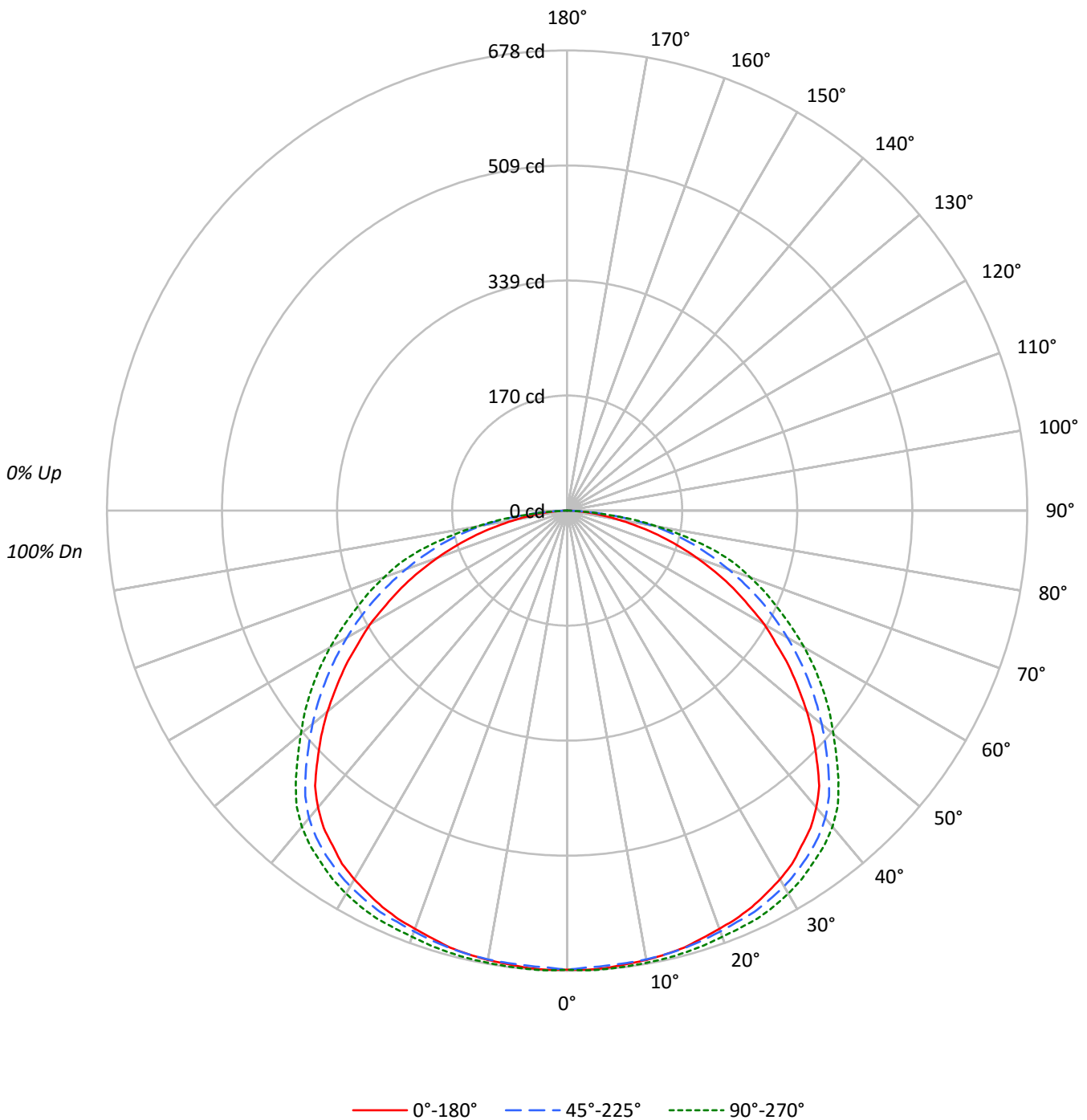
Lumens per Lamp: N/A  
Luminaire Lumens: 2303.3 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

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		92	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°	910	910	910
5°	914	909	916
10°	919	917	924
15°	928	930	939
20°	939	945	957
25°	957	969	985
30°	974	993	1013
35°	989	1018	1039
40°	1003	1039	1068
45°	990	1037	1076
50°	965	1025	1072
55°	935	1016	1080
60°	902	1009	1086
65°	858	1002	1094
70°	799	996	1128
75°	718	1000	1158
80°	592	987	1057
85°	431	736	685



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.4	2.8
10°-20°	189.4	8.2
20°-30°	301.6	13.1
30°-40°	387.8	16.8
40°-50°	419.3	18.2
50°-60°	385.7	16.7
60°-70°	307.5	13.4
70°-80°	195.4	8.5
80°-90°	52.1	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°	555.5	24.1
0°-40°	943.3	41.0
0°-60°	1748.3	75.9
0°-90°	2303.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2303.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	676	676	676	676	676	
5°	676	676	673	677	678	64
15°	666	667	667	673	674	188
25°	644	647	653	660	663	297
35°	602	609	620	631	633	378
45°	520	529	545	560	565	401
55°	399	410	433	453	460	356
65°	270	284	315	338	344	266
75°	138	158	192	218	223	146
85°	28	44	48	48	44	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	676.4	676.4	676.4	676.4	676.4
2.5°	677.2	677.2	673.9	678.0	678.0
5°	676.4	676.4	673.1	677.2	678.0
7.5°	673.9	674.7	672.3	676.4	677.2
10°	672.3	673.1	671.5	675.6	676.4
12.5°	669.8	670.6	669.8	674.7	675.6
15°	666.5	667.3	667.3	673.1	673.9
17.5°	660.8	662.4	664.1	670.6	671.5
20°	655.8	657.5	659.9	667.3	668.2
22.5°	650.9	652.6	655.8	664.9	665.7
25°	644.3	646.8	652.6	659.9	663.2
27.5°	636.1	641.0	646.0	655.0	658.3
30°	627.1	632.0	639.4	649.3	651.7
32.5°	617.2	622.1	630.4	641.0	643.5
35°	602.4	609.0	619.7	631.2	632.8
37.5°	589.3	595.8	607.3	619.7	622.1
40°	571.2	579.4	591.7	603.2	608.2
42.5°	549.8	558.0	571.2	585.2	590.1
45°	520.2	529.3	544.9	559.7	565.4
47.5°	491.5	499.7	516.9	534.2	538.3
50°	461.1	470.9	489.8	507.9	512.0
52.5°	429.0	441.3	461.9	480.8	487.4
55°	398.6	410.1	433.1	452.8	460.2
57.5°	364.9	378.9	404.4	425.7	432.3
60°	335.3	347.6	374.8	397.0	403.5
62.5°	300.8	315.6	345.2	367.4	373.1
65°	269.6	283.5	314.8	337.8	343.5
67.5°	235.9	252.3	283.5	307.4	316.4
70°	203.0	220.3	253.1	277.8	286.8
72.5°	170.1	189.0	221.9	247.4	258.9
75°	138.1	157.8	192.3	217.8	222.7
77.5°	106.0	128.2	161.1	179.2	179.2
80°	76.4	98.6	127.4	132.3	136.4
82.5°	51.0	71.5	87.1	92.0	92.9
85°	27.9	43.6	47.7	47.7	44.4
87.5°	10.7	14.0	9.9	4.9	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)