

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: P302383

Luminaire Tested: **RX-WO-40L930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302383  
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-40L930-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**

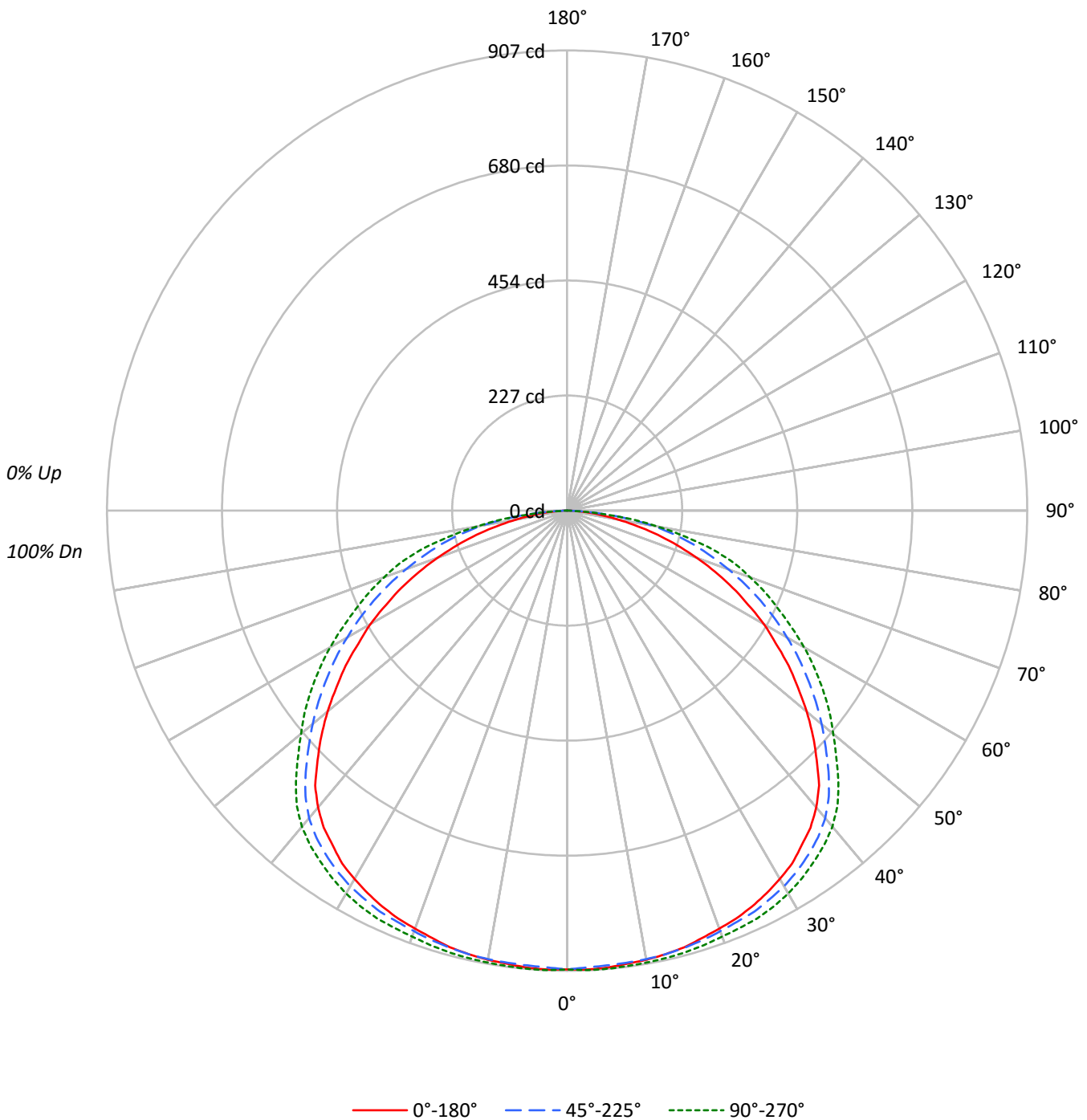
Lumens per Lamp: N/A  
Luminaire Lumens: 3079.8 lumens  
Efficiency: N/A  
Efficacy: 100.6 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.6  
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



TEST NUMBER: P302383  
CATALOG NUMBER: RX-WO-40L930-UNV-24-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302383

CATALOG NUMBER: RX-WO-40L930-UNV-24-STD

**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°	1217	1217	1217
5°	1222	1216	1224
10°	1228	1227	1236
15°	1241	1243	1255
20°	1256	1263	1279
25°	1279	1295	1317
30°	1303	1328	1354
35°	1323	1361	1390
40°	1341	1390	1428
45°	1324	1386	1439
50°	1290	1371	1433
55°	1250	1358	1444
60°	1207	1348	1452
65°	1147	1340	1462
70°	1068	1332	1509
75°	960	1337	1548
80°	792	1320	1413
85°	577	983	915



TEST NUMBER: P302383

CATALOG NUMBER: RX-WO-40L930-UNV-24-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.2	2.8
10°-20°	253.2	8.2
20°-30°	403.3	13.1
30°-40°	518.5	16.8
40°-50°	560.7	18.2
50°-60°	515.8	16.7
60°-70°	411.2	13.4
70°-80°	261.2	8.5
80°-90°	69.6	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°	742.7	24.1
0°-40°	1261.3	41.0
0°-60°	2337.7	75.9
0°-90°	3079.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3079.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	904	904	900	906	907	86
15°	891	892	892	900	901	252
25°	862	865	872	882	887	398
35°	806	814	829	844	846	505
45°	696	708	729	748	756	536
55°	533	548	579	606	615	476
65°	360	379	421	452	459	356
75°	185	211	257	291	298	195
85°	37	58	64	64	59	46
90°	0	0	0	0	0	



TEST NUMBER: P302383

CATALOG NUMBER: RX-WO-40L930-UNV-24-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	904.4	904.4	904.4	904.4	904.4
2.5°	905.5	905.5	901.1	906.6	906.6
5°	904.4	904.4	900.0	905.5	906.6
7.5°	901.1	902.2	898.9	904.4	905.5
10°	898.9	900.0	897.8	903.3	904.4
12.5°	895.6	896.7	895.6	902.2	903.3
15°	891.2	892.3	892.3	900.0	901.1
17.5°	883.5	885.7	887.9	896.7	897.8
20°	876.9	879.1	882.4	892.3	893.4
22.5°	870.3	872.5	876.9	889.0	890.1
25°	861.5	864.8	872.5	882.4	886.8
27.5°	850.6	857.2	863.7	875.8	880.2
30°	838.5	845.1	855.0	868.1	871.4
32.5°	825.3	831.9	842.9	857.2	860.4
35°	805.5	814.3	828.6	844.0	846.2
37.5°	787.9	796.7	812.1	828.6	831.9
40°	763.7	774.7	791.2	806.6	813.2
42.5°	735.2	746.2	763.7	782.4	789.0
45°	695.6	707.7	728.6	748.4	756.1
47.5°	657.2	668.1	691.2	714.3	719.8
50°	616.5	629.7	655.0	679.1	684.6
52.5°	573.6	590.1	617.6	642.9	651.7
55°	533.0	548.4	579.1	605.5	615.4
57.5°	487.9	506.6	540.7	569.2	578.0
60°	448.4	464.8	501.1	530.8	539.6
62.5°	402.2	422.0	461.5	491.2	498.9
65°	360.4	379.1	420.9	451.7	459.3
67.5°	315.4	337.4	379.1	411.0	423.1
70°	271.4	294.5	338.5	371.4	383.5
72.5°	227.5	252.8	296.7	330.8	346.2
75°	184.6	211.0	257.1	291.2	297.8
77.5°	141.8	171.4	215.4	239.6	239.6
80°	102.2	131.9	170.3	176.9	182.4
82.5°	68.1	95.6	116.5	123.1	124.2
85°	37.4	58.2	63.7	63.7	59.3
87.5°	14.3	18.7	13.2	6.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)