

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: P302040

Luminaire Tested: **RX-WO-29L930-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-29L930-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (84)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

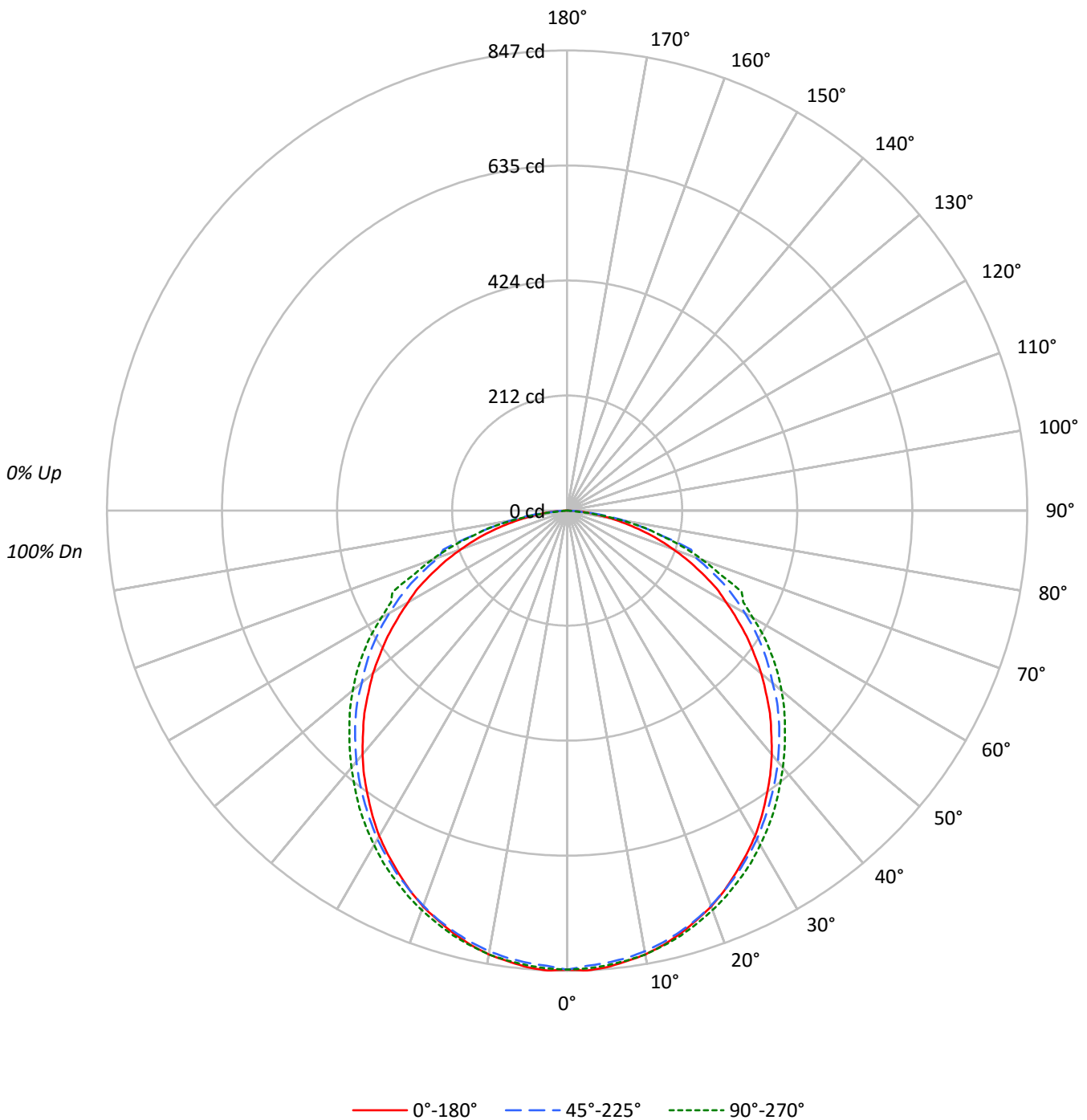
Lumens per Lamp: N/A  
Luminaire Lumens: 2402.4 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.3  
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: P302040  
CATALOG NUMBER: RX-WO-29L930-UNV-14-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302040

CATALOG NUMBER: RX-WO-29L930-UNV-14-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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

	0°	45°	90°
0°	2274	2274	2274
5°	2279	2257	2270
10°	2267	2251	2267
15°	2245	2236	2255
20°	2220	2217	2241
25°	2183	2194	2225
30°	2149	2171	2208
35°	2102	2141	2191
40°	2057	2120	2169
45°	2009	2099	2157
50°	1954	2067	2156
55°	1891	2057	2151
60°	1820	2036	2125
65°	1748	2018	2259
70°	1632	1975	2086
75°	1470	1911	1875
80°	1241	1644	1553
85°	911	800	290



TEST NUMBER: P302040

CATALOG NUMBER: RX-WO-29L930-UNV-14-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	79.8	3.3
10°-20°	227.4	9.5
20°-30°	341.9	14.2
30°-40°	408.9	17.0
40°-50°	424.0	17.6
50°-60°	388.8	16.2
60°-70°	309.3	12.9
70°-80°	183.8	7.6
80°-90°	38.5	1.6
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°	649.1	27.0
0°-40°	1058.0	44.0
0°-60°	1870.8	77.9
0°-90°	2402.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2402.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	845	845	845	845	845	
5°	844	841	836	841	840	80
15°	806	805	802	810	810	227
25°	735	736	739	750	750	339
35°	640	643	652	665	667	401
45°	528	536	552	563	567	407
55°	403	417	438	456	458	360
65°	275	291	317	330	355	272
75°	141	161	184	183	180	150
85°	30	36	26	14	9	36
90°	0	0	0	0	0	



TEST NUMBER: P302040

CATALOG NUMBER: RX-WO-29L930-UNV-14-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	844.9	844.9	844.9	844.9	844.9
2.5°	847.3	844.9	839.0	844.9	843.7
5°	843.7	841.4	835.5	841.4	840.2
7.5°	836.7	835.5	830.8	836.7	835.5
10°	829.6	827.3	823.7	829.6	829.6
12.5°	819.0	816.6	814.3	821.4	820.2
15°	806.0	804.9	802.5	809.6	809.6
17.5°	790.7	790.7	789.5	796.6	796.6
20°	775.4	774.2	774.2	782.5	782.5
22.5°	756.5	756.5	756.5	767.2	767.2
25°	735.3	736.5	738.9	749.5	749.5
27.5°	714.1	716.5	718.8	729.4	731.8
30°	691.7	692.9	698.8	709.4	710.6
32.5°	667.0	669.3	675.2	687.0	689.4
35°	639.9	643.4	651.7	664.6	667.0
37.5°	614.0	618.7	628.1	641.1	642.2
40°	585.7	591.6	603.4	615.1	617.5
42.5°	556.2	563.3	577.4	590.4	592.7
45°	527.9	536.2	551.5	563.3	566.8
47.5°	496.1	505.5	524.4	538.5	542.1
50°	466.7	476.1	493.8	511.4	515.0
52.5°	433.7	446.6	466.7	484.3	487.9
55°	403.0	417.2	438.4	456.0	458.4
57.5°	370.0	385.3	408.9	425.4	428.9
60°	338.2	354.7	378.3	393.6	394.8
62.5°	309.9	324.1	347.6	361.8	365.3
65°	274.6	291.1	317.0	330.0	354.7
67.5°	241.6	258.1	282.8	326.4	302.9
70°	207.4	226.3	251.0	262.8	265.1
72.5°	175.6	194.4	239.2	226.3	225.1
75°	141.4	161.4	183.8	182.7	180.3
77.5°	109.6	130.8	143.8	144.9	144.9
80°	80.1	106.1	106.1	106.1	100.2
82.5°	51.9	68.3	68.3	58.9	53.0
85°	29.5	36.5	25.9	14.1	9.4
87.5°	10.6	8.2	2.4	2.4	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)