

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: P302262

Luminaire Tested: **RX-WO-30H930-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-30H930-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.  
Light Source: (252)3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

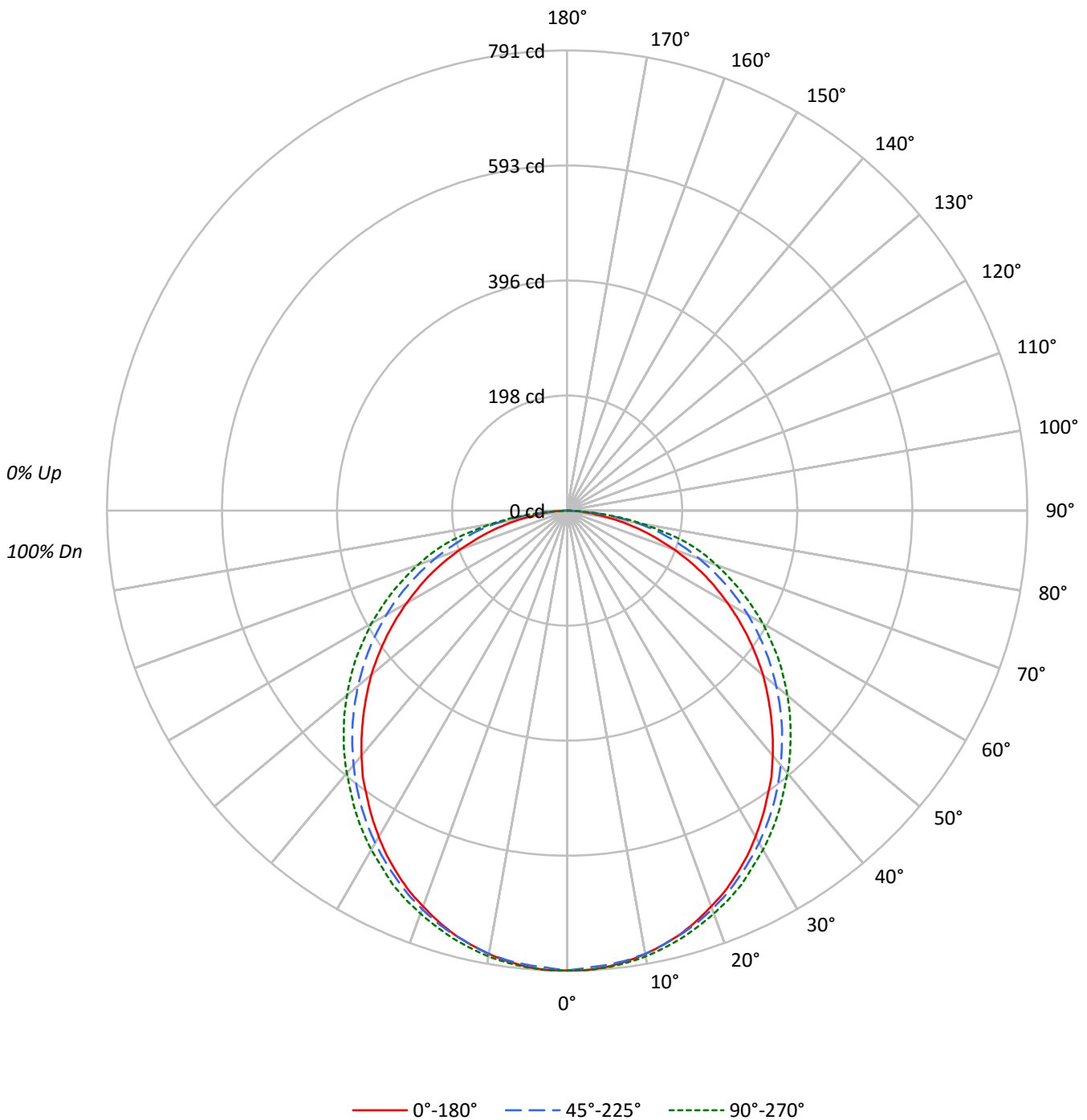
Lumens per Lamp: N/A  
Luminaire Lumens: 2301.3 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.6  
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: P302262  
CATALOG NUMBER: RX-WO-30H930-UNV-24-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P302262

CATALOG NUMBER: RX-WO-30H930-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	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	60	57
4	82	69	60	54	79	68	60	53	65	58	52		63	57	52		61	55	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	67	55	46	40	53	45	39		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

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

	0°	45°	90°
0°	1064	1064	1064
5°	1063	1059	1065
10°	1058	1057	1063
15°	1050	1051	1060
20°	1037	1044	1056
25°	1024	1035	1053
30°	1006	1025	1046
35°	986	1015	1041
40°	966	1003	1035
45°	942	993	1034
50°	920	982	1034
55°	891	974	1039
60°	858	966	1046
65°	824	958	1054
70°	769	950	1074
75°	701	953	1107
80°	580	942	1019
85°	445	749	722



TEST NUMBER: P302262

CATALOG NUMBER: RX-WO-30H930-UNV-24-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	3.2
10°-20°	213.4	9.3
20°-30°	322.0	14.0
30°-40°	386.6	16.8
40°-50°	402.0	17.5
50°-60°	369.8	16.1
60°-70°	294.7	12.8
70°-80°	186.7	8.1
80°-90°	51.4	2.2
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°	610.2	26.5
0°-40°	996.8	43.3
0°-60°	1768.5	76.8
0°-90°	2301.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2301.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	791	791	791	791	791	
5°	787	787	784	788	788	75
15°	754	754	754	760	761	212
25°	690	693	697	707	709	318
35°	600	606	618	630	634	376
45°	495	505	522	538	543	382
55°	380	392	415	436	443	339
65°	259	272	301	324	331	255
75°	135	152	183	206	213	142
85°	29	41	48	48	47	34
90°	0	0	0	0	0	



TEST NUMBER: P302262

CATALOG NUMBER: RX-WO-30H930-UNV-24-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	790.6	790.6	790.6	790.6	790.6
2.5°	790.6	790.6	786.5	790.6	790.6
5°	787.3	787.3	784.0	788.2	788.2
7.5°	781.6	782.4	779.9	784.0	784.0
10°	774.2	775.0	773.4	778.3	778.3
12.5°	764.3	765.1	764.3	770.1	770.1
15°	753.6	753.6	754.5	760.2	761.0
17.5°	739.7	741.3	743.0	749.5	749.5
20°	724.1	726.5	729.0	737.2	737.2
22.5°	708.4	710.9	714.2	722.4	724.1
25°	689.5	692.8	696.9	706.8	709.3
27.5°	669.8	672.3	678.9	689.5	690.4
30°	647.6	651.7	659.9	670.6	673.1
32.5°	624.6	630.4	639.4	651.7	654.2
35°	600.0	606.5	618.0	629.5	633.6
37.5°	576.9	581.9	595.0	608.2	610.6
40°	549.8	557.2	571.2	586.0	589.3
42.5°	522.7	530.9	546.5	561.3	567.1
45°	494.8	505.4	521.9	538.3	543.2
47.5°	466.8	478.3	495.6	513.7	519.4
50°	439.7	450.4	469.3	488.2	493.9
52.5°	409.3	421.6	442.2	462.7	468.5
55°	379.7	392.0	415.0	435.6	443.0
57.5°	349.3	363.3	387.1	408.5	415.0
60°	318.9	333.7	359.1	380.5	388.7
62.5°	288.5	302.4	330.4	351.8	359.1
65°	258.9	272.0	300.8	323.8	331.2
67.5°	226.8	241.6	271.2	295.0	301.6
70°	195.6	210.4	241.6	266.3	272.9
72.5°	163.5	180.8	212.0	235.9	244.9
75°	134.8	152.0	183.3	206.3	212.9
77.5°	104.4	121.6	153.7	170.1	170.9
80°	74.8	94.5	121.6	128.2	131.5
82.5°	49.3	68.2	83.8	92.0	92.0
85°	28.8	41.1	48.5	47.7	46.8
87.5°	10.7	14.0	11.5	8.2	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)