

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: P302180

Luminaire Tested: **RX-WO-20L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-20L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

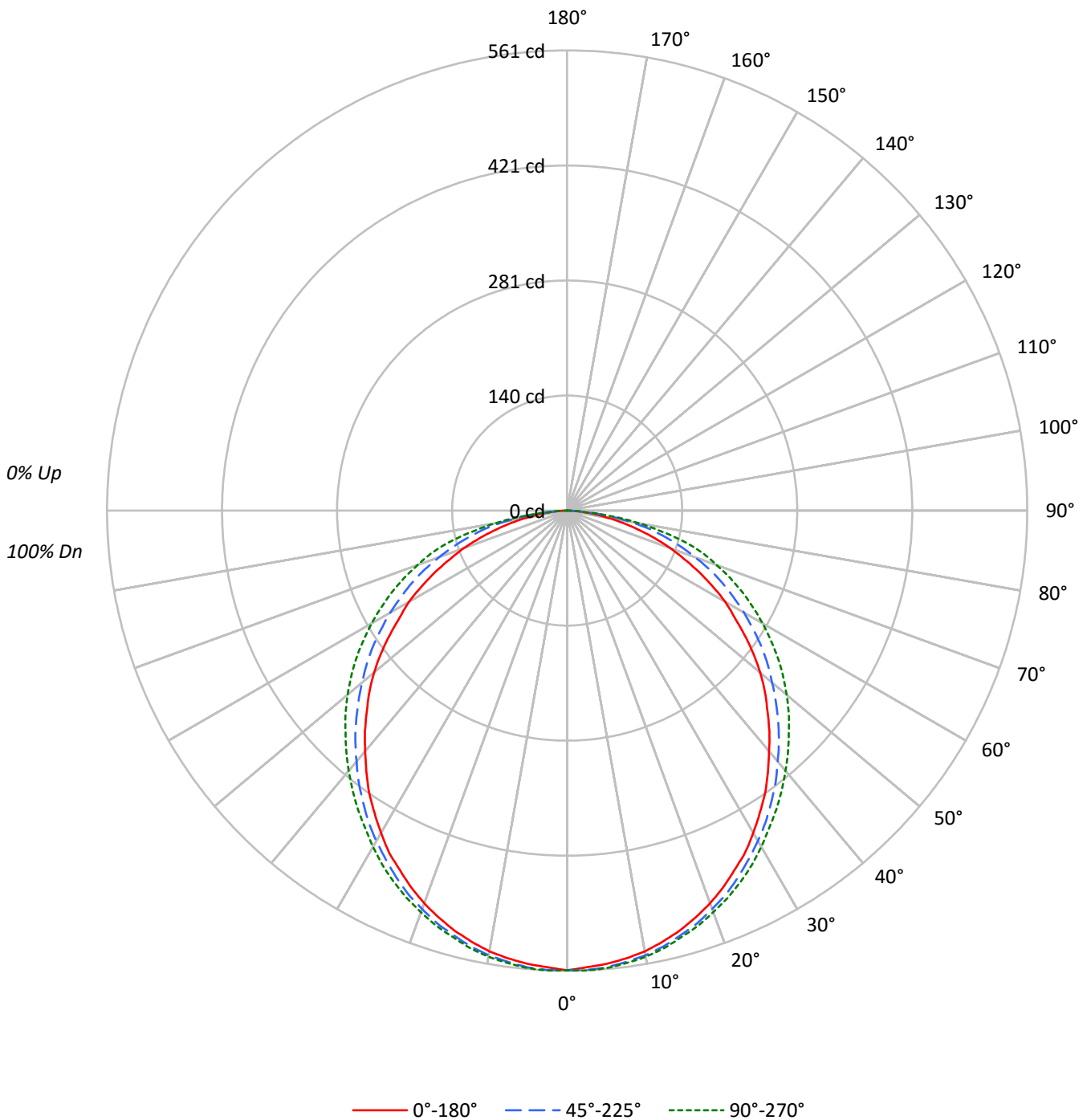
Lumens per Lamp: N/A
Luminaire Lumens: 1604.7 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16
Input Voltage (V): 120
Input Current (A_{in}): 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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1508	1508	1508
5°	1499	1510	1512
10°	1491	1505	1509
15°	1477	1493	1500
20°	1459	1480	1492
25°	1435	1464	1484
30°	1410	1446	1471
35°	1382	1425	1461
40°	1345	1403	1455
45°	1314	1386	1455
50°	1287	1366	1462
55°	1238	1357	1473
60°	1199	1340	1482
65°	1130	1330	1502
70°	1054	1306	1526
75°	932	1282	1555
80°	776	1198	1389
85°	584	812	735



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.0	3.3
10°-20°	151.0	9.4
20°-30°	226.9	14.1
30°-40°	271.1	16.9
40°-50°	281.1	17.5
50°-60°	258.2	16.1
60°-70°	205.0	12.8
70°-80°	127.3	7.9
80°-90°	31.1	1.9
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°	430.9	26.9
0°-40°	702.0	43.7
0°-60°	1241.3	77.4
0°-90°	1604.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1604.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	560	560	560	560	560	
5°	555	556	559	560	560	53
15°	530	532	536	538	538	149
25°	483	486	493	499	500	223
35°	421	425	434	442	445	263
45°	345	350	364	378	382	267
55°	264	270	289	307	314	236
65°	178	186	209	228	236	176
75°	90	101	123	142	150	96
85°	19	23	26	26	24	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	560.5	560.5	560.5	560.5	560.5
2.5°	557.2	558.0	560.5	562.1	561.3
5°	554.8	556.4	558.9	559.7	559.7
7.5°	550.6	552.3	554.8	556.4	556.4
10°	545.7	547.4	550.6	552.3	552.3
12.5°	538.3	540.0	544.1	545.7	546.5
15°	530.1	531.7	535.8	538.3	538.3
17.5°	520.2	522.7	527.6	530.1	530.9
20°	509.5	512.0	516.9	520.2	521.1
22.5°	497.2	499.7	506.3	510.4	511.2
25°	483.2	486.5	493.1	498.9	499.7
27.5°	470.1	472.6	479.1	484.9	487.4
30°	453.7	457.8	465.2	471.7	473.4
32.5°	437.2	442.2	450.4	457.8	458.6
35°	420.8	424.9	433.9	442.2	444.6
37.5°	401.9	406.0	417.5	426.5	429.8
40°	383.0	388.7	399.4	410.1	414.2
42.5°	364.9	370.7	382.2	394.5	398.6
45°	345.2	350.1	364.1	378.1	382.2
47.5°	327.1	331.2	345.2	361.6	366.5
50°	307.4	310.7	326.3	344.4	349.3
52.5°	286.0	290.9	308.2	326.3	332.0
55°	263.8	270.4	289.3	307.4	313.9
57.5°	241.6	249.0	268.7	288.5	294.2
60°	222.7	227.7	249.0	268.7	275.3
62.5°	199.7	207.1	228.5	249.0	255.6
65°	177.5	185.7	208.8	228.5	235.9
67.5°	154.5	164.4	188.2	207.1	215.3
70°	134.0	143.8	166.0	185.7	194.0
72.5°	111.8	122.5	144.6	165.2	174.2
75°	89.6	101.1	123.3	142.2	149.6
77.5°	69.9	81.4	101.9	115.1	118.3
80°	50.1	60.0	77.3	86.3	89.6
82.5°	33.7	41.1	52.6	55.9	57.5
85°	18.9	23.0	26.3	25.5	23.8
87.5°	8.2	6.6	5.8	2.5	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)