

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: P302192

Luminaire Tested: **RX-WO-20L940-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302192
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-20L940-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (112)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

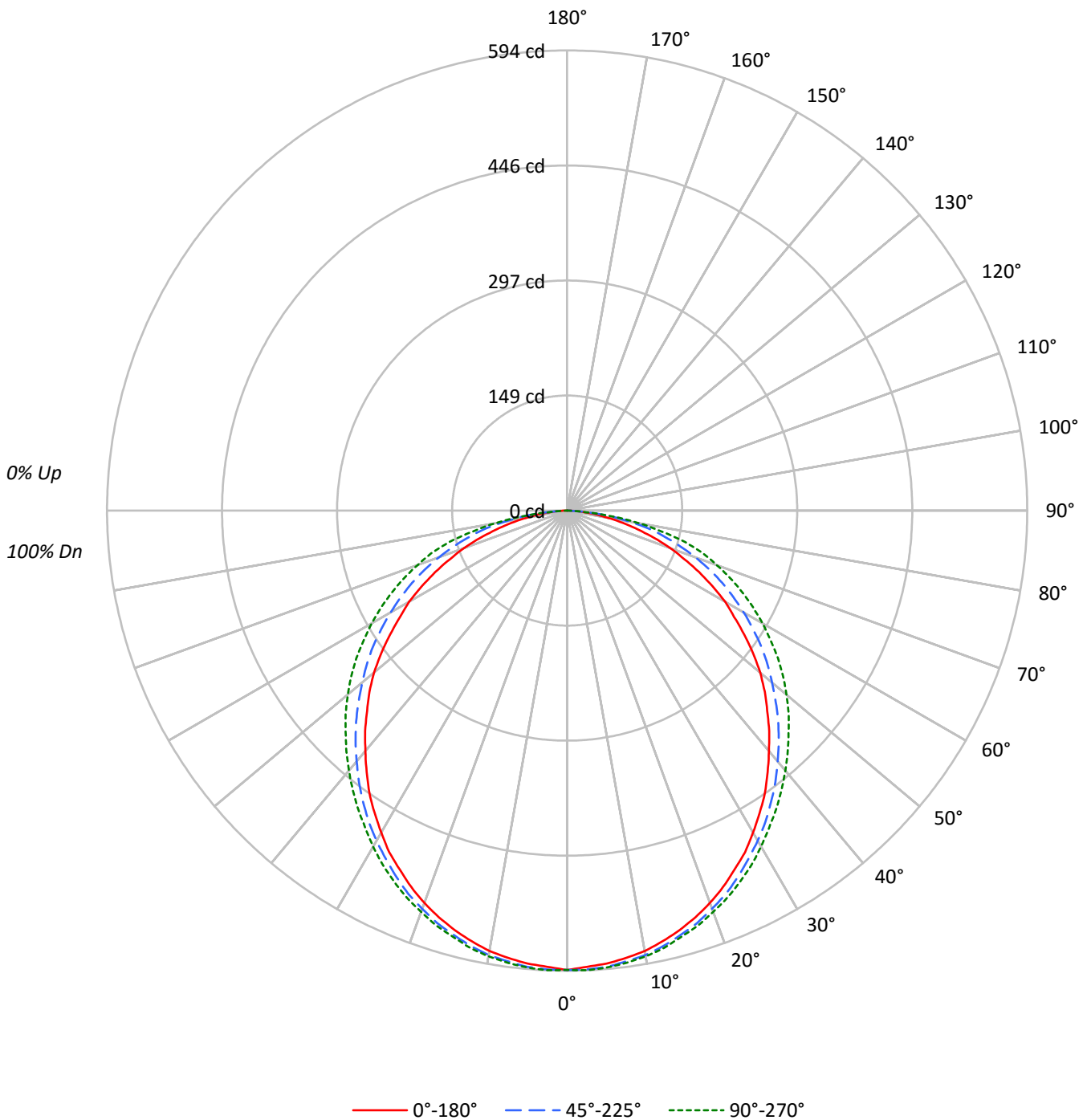
Lumens per Lamp: N/A
Luminaire Lumens: 1697.6 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	46	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°	1596	1596	1596
5°	1585	1597	1599
10°	1577	1592	1597
15°	1562	1579	1587
20°	1544	1566	1578
25°	1518	1549	1570
30°	1491	1529	1556
35°	1463	1508	1545
40°	1423	1485	1539
45°	1390	1466	1539
50°	1361	1445	1547
55°	1309	1436	1558
60°	1268	1418	1568
65°	1196	1406	1589
70°	1115	1382	1614
75°	986	1356	1645
80°	821	1266	1469
85°	618	858	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	3.3
10°-20°	159.7	9.4
20°-30°	240.0	14.1
30°-40°	286.8	16.9
40°-50°	297.4	17.5
50°-60°	273.1	16.1
60°-70°	216.9	12.8
70°-80°	134.6	7.9
80°-90°	32.9	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°	455.8	26.9
0°-40°	742.6	43.7
0°-60°	1313.2	77.4
0°-90°	1697.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1697.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	593	593	593	593	593	
5°	587	589	591	592	592	56
15°	561	562	567	570	570	158
25°	511	515	522	528	529	236
35°	445	450	459	468	470	278
45°	365	370	385	400	404	282
55°	279	286	306	325	332	250
65°	188	196	221	242	250	186
75°	95	107	130	150	158	101
85°	20	24	28	27	25	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	593.0	593.0	593.0	593.0	593.0
2.5°	589.5	590.4	593.0	594.7	593.8
5°	586.9	588.6	591.2	592.1	592.1
7.5°	582.5	584.3	586.9	588.6	588.6
10°	577.3	579.1	582.5	584.3	584.3
12.5°	569.5	571.2	575.6	577.3	578.2
15°	560.8	562.5	566.9	569.5	569.5
17.5°	550.4	553.0	558.2	560.8	561.7
20°	539.1	541.7	546.9	550.4	551.2
22.5°	526.0	528.6	535.6	539.9	540.8
25°	511.2	514.7	521.7	527.8	528.6
27.5°	497.3	499.9	506.9	513.0	515.6
30°	479.9	484.3	492.1	499.1	500.8
32.5°	462.6	467.8	476.5	484.3	485.2
35°	445.2	449.5	459.1	467.8	470.4
37.5°	425.2	429.5	441.7	451.2	454.7
40°	405.2	411.3	422.6	433.9	438.2
42.5°	386.0	392.1	404.3	417.3	421.7
45°	365.2	370.4	385.2	400.0	404.3
47.5°	346.0	350.4	365.2	382.6	387.8
50°	325.2	328.7	345.2	364.3	369.5
52.5°	302.6	307.8	326.0	345.2	351.3
55°	279.1	286.1	306.0	325.2	332.1
57.5°	255.6	263.4	284.3	305.2	311.3
60°	235.6	240.8	263.4	284.3	291.3
62.5°	211.3	219.1	241.7	263.4	270.4
65°	187.8	196.5	220.8	241.7	249.5
67.5°	163.5	173.9	199.1	219.1	227.8
70°	141.7	152.2	175.6	196.5	205.2
72.5°	118.2	129.5	153.0	174.8	184.3
75°	94.8	106.9	130.4	150.4	158.2
77.5°	73.9	86.1	107.8	121.7	125.2
80°	53.0	63.5	81.7	91.3	94.8
82.5°	35.6	43.5	55.6	59.1	60.9
85°	20.0	24.3	27.8	27.0	25.2
87.5°	8.7	7.0	6.1	2.6	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)