

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: P302167

Luminaire Tested: **RX-WO-44L830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302167
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-44L830-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

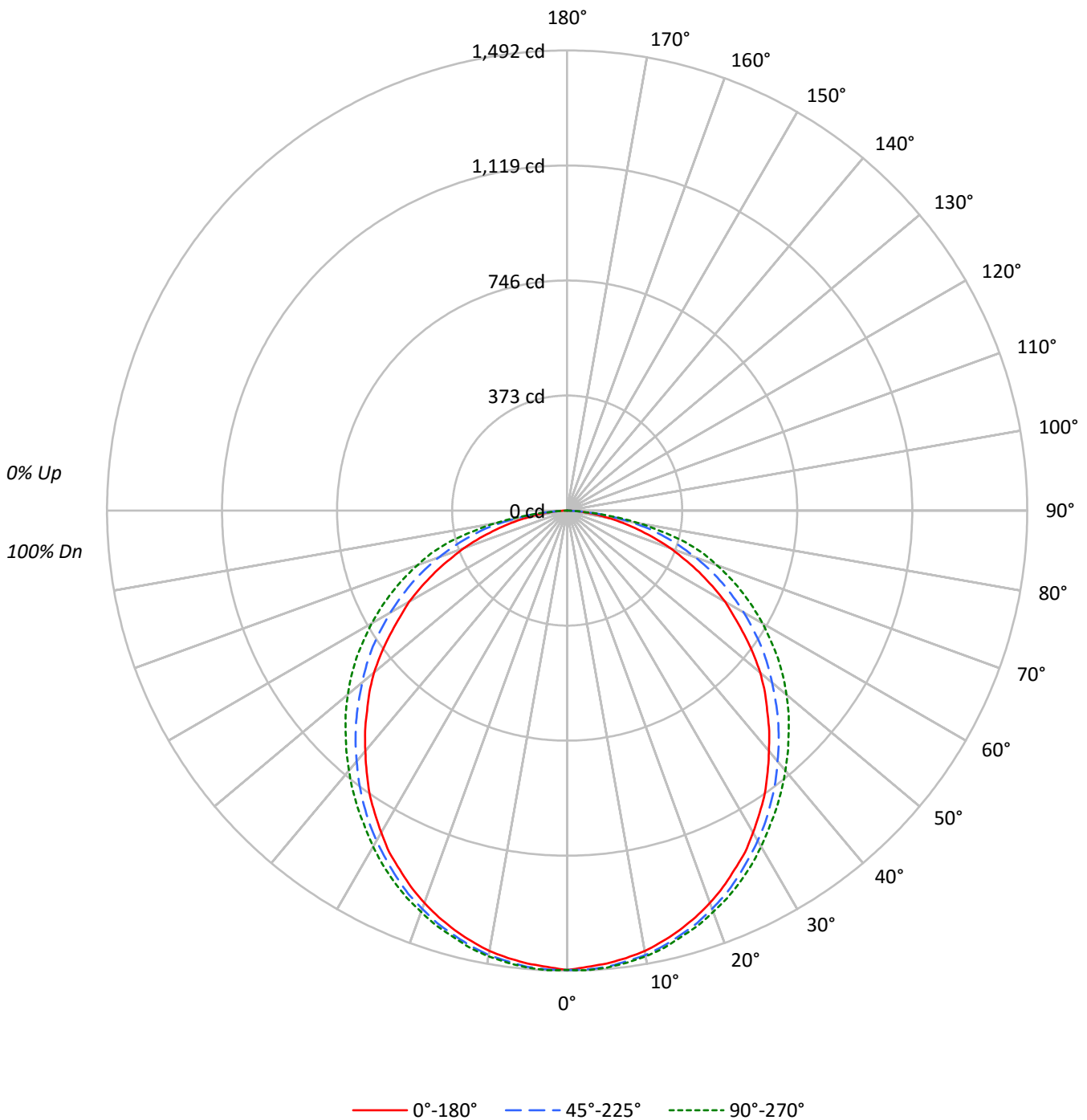
Lumens per Lamp: N/A
Luminaire Lumens: 4264.4 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): 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°	4008	4008	4008
5°	3982	4012	4018
10°	3963	3998	4010
15°	3925	3967	3985
20°	3878	3934	3965
25°	3813	3891	3943
30°	3746	3841	3909
35°	3673	3788	3882
40°	3575	3729	3867
45°	3491	3682	3865
50°	3419	3630	3886
55°	3289	3607	3914
60°	3186	3562	3938
65°	3004	3532	3991
70°	2801	3471	4055
75°	2476	3406	4133
80°	2064	3181	3690
85°	1550	2158	1954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	3.3
10°-20°	401.3	9.4
20°-30°	602.9	14.1
30°-40°	720.4	16.9
40°-50°	747.0	17.5
50°-60°	686.1	16.1
60°-70°	544.9	12.8
70°-80°	338.2	7.9
80°-90°	82.7	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°	1145.0	26.9
0°-40°	1865.5	43.7
0°-60°	3298.6	77.4
0°-90°	4264.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4264.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1490	1490	1490	1490	1490	
5°	1474	1479	1485	1487	1487	140
15°	1409	1413	1424	1430	1430	397
25°	1284	1293	1310	1326	1328	592
35°	1118	1129	1153	1175	1182	698
45°	917	930	968	1005	1016	709
55°	701	718	769	817	834	628
65°	472	494	555	607	627	467
75°	238	269	328	378	398	254
85°	50	61	70	68	63	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1489.5	1489.5	1489.5	1489.5	1489.5
2.5°	1480.8	1483.0	1489.5	1493.9	1491.7
5°	1474.2	1478.6	1485.1	1487.3	1487.3
7.5°	1463.3	1467.7	1474.2	1478.6	1478.6
10°	1450.2	1454.6	1463.3	1467.7	1467.7
12.5°	1430.5	1434.9	1445.8	1450.2	1452.4
15°	1408.7	1413.1	1424.0	1430.5	1430.5
17.5°	1382.5	1389.0	1402.1	1408.7	1410.9
20°	1354.1	1360.7	1373.8	1382.5	1384.7
22.5°	1321.3	1327.9	1345.4	1356.3	1358.5
25°	1284.2	1292.9	1310.4	1325.7	1327.9
27.5°	1249.3	1255.8	1273.3	1288.6	1295.1
30°	1205.6	1216.5	1236.2	1253.6	1258.0
32.5°	1161.9	1175.0	1196.8	1216.5	1218.7
35°	1118.2	1129.1	1153.2	1175.0	1181.6
37.5°	1068.0	1078.9	1109.5	1133.5	1142.2
40°	1017.8	1033.0	1061.4	1089.8	1100.8
42.5°	969.7	985.0	1015.6	1048.3	1059.3
45°	917.3	930.4	967.5	1004.7	1015.6
47.5°	869.2	880.2	917.3	961.0	974.1
50°	816.8	825.6	867.1	915.1	928.2
52.5°	760.0	773.1	819.0	867.1	882.3
55°	701.1	718.5	768.8	816.8	834.3
57.5°	642.1	661.8	714.2	766.6	781.9
60°	591.9	605.0	661.8	714.2	731.7
62.5°	530.7	550.4	607.2	661.8	679.2
65°	471.8	493.6	554.7	607.2	626.8
67.5°	410.6	436.8	500.1	550.4	572.2
70°	356.0	382.2	441.2	493.6	515.4
72.5°	297.0	325.4	384.4	439.0	463.0
75°	238.1	268.6	327.6	377.8	397.5
77.5°	185.6	216.2	270.8	305.8	314.5
80°	133.2	159.4	205.3	229.3	238.1
82.5°	89.5	109.2	139.8	148.5	152.9
85°	50.2	61.2	69.9	67.7	63.3
87.5°	21.8	17.5	15.3	6.6	4.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)