

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: P302357

Luminaire Tested: **RX-WO-60L830-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-60L830-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (392)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5590.2 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

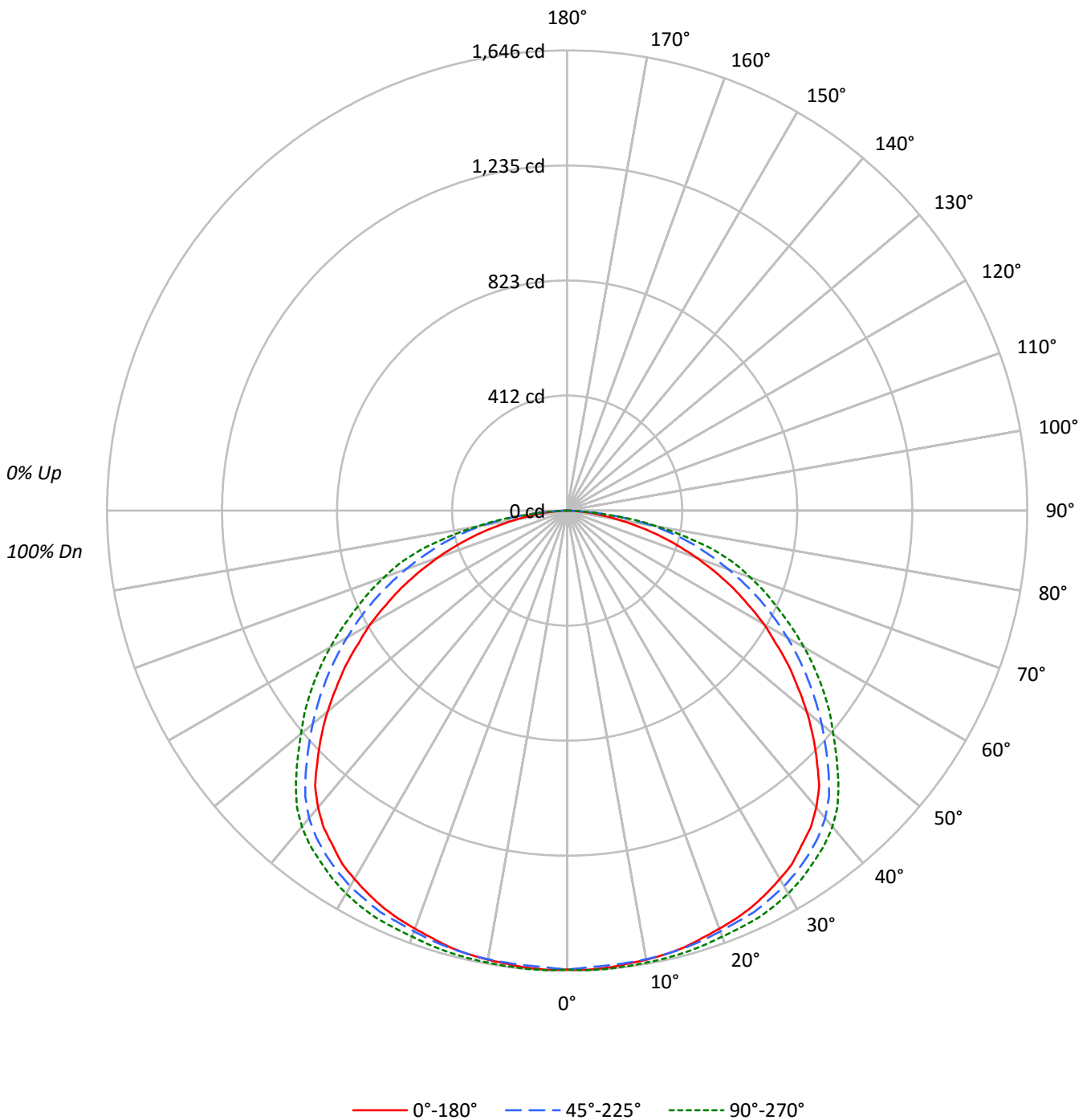
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	98	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2209	2209	2209
5°	2217	2206	2223
10°	2229	2226	2243
15°	2253	2256	2278
20°	2279	2293	2322
25°	2322	2351	2390
30°	2364	2411	2458
35°	2402	2470	2523
40°	2435	2522	2592
45°	2402	2516	2611
50°	2342	2488	2601
55°	2269	2466	2620
60°	2190	2448	2636
65°	2083	2432	2655
70°	1938	2417	2738
75°	1742	2426	2810
80°	1437	2396	2565
85°	1047	1786	1663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.4	2.8
10°-20°	459.6	8.2
20°-30°	732.1	13.1
30°-40°	941.2	16.8
40°-50°	1017.7	18.2
50°-60°	936.2	16.7
60°-70°	746.4	13.4
70°-80°	474.2	8.5
80°-90°	126.3	2.3
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°	1348.2	24.1
0°-40°	2289.3	41.0
0°-60°	4243.3	75.9
0°-90°	5590.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5590.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1642	1642	1642	1642	1642	
5°	1642	1642	1634	1644	1646	156
15°	1618	1620	1620	1634	1636	457
25°	1564	1570	1584	1602	1610	722
35°	1462	1478	1504	1532	1536	916
45°	1263	1285	1322	1358	1372	973
55°	967	995	1051	1099	1117	863
65°	654	688	764	820	834	646
75°	335	383	467	529	541	354
85°	68	106	116	116	108	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1641.6	1641.6	1641.6	1641.6	1641.6
2.5°	1643.6	1643.6	1635.6	1645.6	1645.6
5°	1641.6	1641.6	1633.6	1643.6	1645.6
7.5°	1635.6	1637.6	1631.6	1641.6	1643.6
10°	1631.6	1633.6	1629.6	1639.6	1641.6
12.5°	1625.6	1627.6	1625.6	1637.6	1639.6
15°	1617.7	1619.7	1619.7	1633.6	1635.6
17.5°	1603.7	1607.7	1611.7	1627.6	1629.6
20°	1591.7	1595.7	1601.7	1619.7	1621.7
22.5°	1579.8	1583.8	1591.7	1613.7	1615.7
25°	1563.8	1569.8	1583.8	1601.7	1609.7
27.5°	1543.9	1555.8	1567.8	1589.7	1597.7
30°	1521.9	1533.9	1551.8	1575.8	1581.8
32.5°	1498.0	1510.0	1529.9	1555.8	1561.8
35°	1462.1	1478.0	1504.0	1531.9	1535.9
37.5°	1430.2	1446.1	1474.0	1504.0	1510.0
40°	1386.3	1406.2	1436.1	1464.1	1476.0
42.5°	1334.4	1354.4	1386.3	1420.2	1432.2
45°	1262.6	1284.6	1322.5	1358.4	1372.3
47.5°	1192.8	1212.7	1254.6	1296.5	1306.5
50°	1119.0	1142.9	1188.8	1232.7	1242.7
52.5°	1041.2	1071.1	1121.0	1166.9	1182.8
55°	967.4	995.3	1051.2	1099.1	1117.0
57.5°	885.6	919.5	981.4	1033.2	1049.2
60°	813.8	843.7	909.6	963.4	979.4
62.5°	730.0	765.9	837.8	891.6	905.6
65°	654.2	688.2	764.0	819.8	833.8
67.5°	572.5	612.4	688.2	746.0	767.9
70°	492.7	534.6	614.4	674.2	696.1
72.5°	412.9	458.8	538.6	600.4	628.3
75°	335.1	383.0	466.7	528.6	540.6
77.5°	257.3	311.2	391.0	434.8	434.8
80°	185.5	239.4	309.2	321.1	331.1
82.5°	123.7	173.5	211.4	223.4	225.4
85°	67.8	105.7	115.7	115.7	107.7
87.5°	25.9	33.9	23.9	12.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)