

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: P302166

Luminaire Tested: **RX-WO-39L830-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302166
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-39L830-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

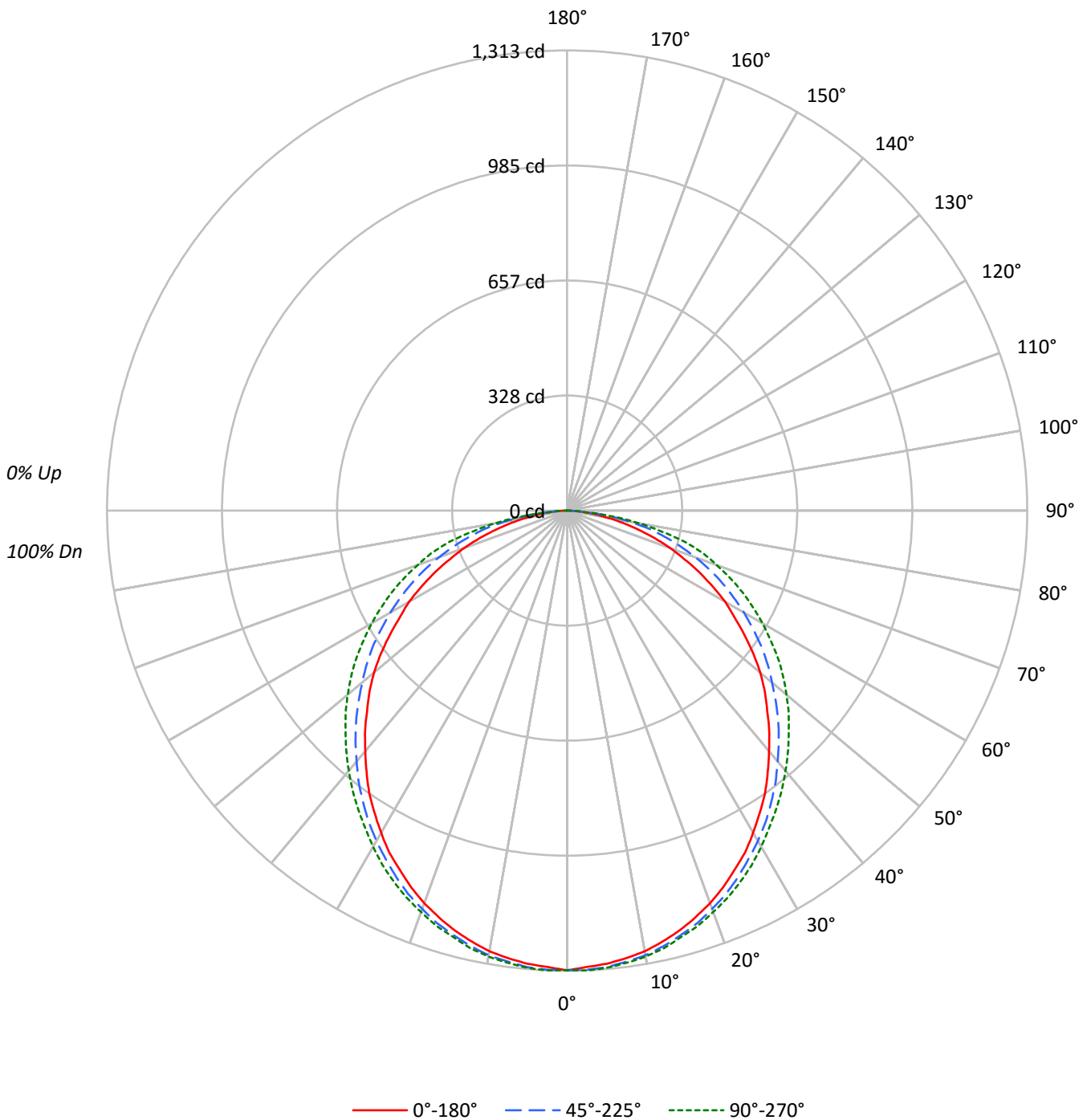
Lumens per Lamp: N/A
Luminaire Lumens: 3754.1 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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°	3529	3529	3529
5°	3506	3532	3537
10°	3489	3520	3531
15°	3455	3492	3509
20°	3414	3463	3491
25°	3357	3425	3471
30°	3298	3382	3441
35°	3234	3335	3417
40°	3147	3282	3404
45°	3073	3242	3403
50°	3010	3195	3421
55°	2896	3175	3446
60°	2805	3136	3467
65°	2644	3110	3514
70°	2466	3056	3570
75°	2179	2999	3638
80°	1818	2800	3248
85°	1365	1899	1723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.0	3.3
10°-20°	353.3	9.4
20°-30°	530.8	14.1
30°-40°	634.2	16.9
40°-50°	657.6	17.5
50°-60°	604.0	16.1
60°-70°	479.7	12.8
70°-80°	297.8	7.9
80°-90°	72.8	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°	1008.0	26.9
0°-40°	1642.3	43.7
0°-60°	2903.9	77.4
0°-90°	3754.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3754.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1298	1302	1308	1309	1309	123
15°	1240	1244	1254	1259	1259	350
25°	1131	1138	1154	1167	1169	521
35°	984	994	1015	1034	1040	615
45°	808	819	852	884	894	624
55°	617	633	677	719	734	553
65°	415	434	488	534	552	411
75°	210	236	288	333	350	224
85°	44	54	62	60	56	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1311.3	1311.3	1311.3	1311.3	1311.3
2.5°	1303.6	1305.5	1311.3	1315.1	1313.2
5°	1297.8	1301.7	1307.5	1309.4	1309.4
7.5°	1288.2	1292.1	1297.8	1301.7	1301.7
10°	1276.7	1280.5	1288.2	1292.1	1292.1
12.5°	1259.4	1263.2	1272.8	1276.7	1278.6
15°	1240.2	1244.0	1253.6	1259.4	1259.4
17.5°	1217.1	1222.9	1234.4	1240.2	1242.1
20°	1192.1	1197.9	1209.4	1217.1	1219.0
22.5°	1163.2	1169.0	1184.4	1194.0	1195.9
25°	1130.6	1138.3	1153.6	1167.1	1169.0
27.5°	1099.8	1105.6	1120.9	1134.4	1140.2
30°	1061.3	1071.0	1088.3	1103.6	1107.5
32.5°	1022.9	1034.4	1053.7	1071.0	1072.9
35°	984.4	994.0	1015.2	1034.4	1040.2
37.5°	940.2	949.8	976.7	997.9	1005.6
40°	896.0	909.4	934.4	959.4	969.1
42.5°	853.7	867.1	894.1	922.9	932.5
45°	807.5	819.1	851.8	884.5	894.1
47.5°	765.2	774.9	807.5	846.0	857.5
50°	719.1	726.8	763.3	805.6	817.2
52.5°	669.1	680.6	721.0	763.3	776.8
55°	617.2	632.6	676.8	719.1	734.5
57.5°	565.3	582.6	628.7	674.9	688.3
60°	521.1	532.6	582.6	628.7	644.1
62.5°	467.2	484.5	534.5	582.6	598.0
65°	415.3	434.5	488.4	534.5	551.8
67.5°	361.5	384.5	440.3	484.5	503.8
70°	313.4	336.5	388.4	434.5	453.8
72.5°	261.5	286.5	338.4	386.5	407.6
75°	209.6	236.5	288.4	332.6	349.9
77.5°	163.4	190.3	238.4	269.2	276.9
80°	117.3	140.4	180.7	201.9	209.6
82.5°	78.8	96.1	123.1	130.7	134.6
85°	44.2	53.8	61.5	59.6	55.8
87.5°	19.2	15.4	13.5	5.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)