

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: P302023

Luminaire Tested: **RX-WO-39L830-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-39L830-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

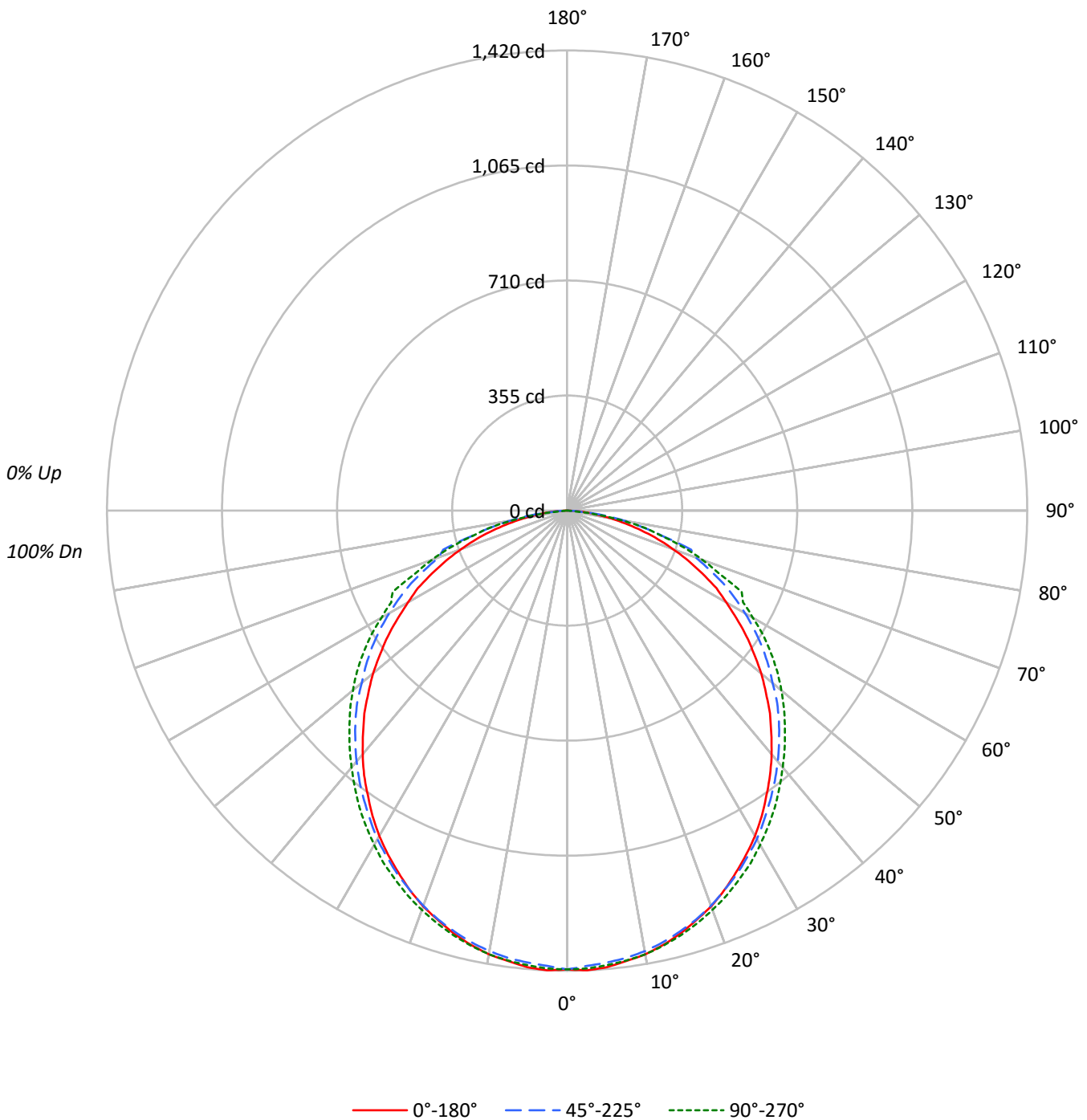
Lumens per Lamp: N/A
Luminaire Lumens: 4026.2 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.3
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	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3810	3810	3810
5°	3820	3782	3804
10°	3799	3772	3799
15°	3763	3747	3780
20°	3721	3716	3755
25°	3659	3677	3730
30°	3602	3639	3700
35°	3523	3588	3672
40°	3448	3552	3635
45°	3367	3518	3615
50°	3274	3464	3613
55°	3169	3447	3605
60°	3050	3412	3561
65°	2930	3383	3785
70°	2735	3310	3496
75°	2464	3203	3142
80°	2081	2754	2602
85°	1525	1340	488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	3.3
10°-20°	381.1	9.5
20°-30°	572.9	14.2
30°-40°	685.3	17.0
40°-50°	710.5	17.6
50°-60°	651.6	16.2
60°-70°	518.4	12.9
70°-80°	308.0	7.6
80°-90°	64.5	1.6
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°	1087.8	27.0
0°-40°	1773.1	44.0
0°-60°	3135.3	77.9
0°-90°	4026.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4026.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1416	1416	1416	1416	1416	
5°	1414	1410	1400	1410	1408	134
15°	1351	1349	1345	1357	1357	381
25°	1232	1234	1238	1256	1256	568
35°	1072	1078	1092	1114	1118	671
45°	885	899	924	944	950	681
55°	675	699	735	764	768	603
65°	460	488	531	553	594	456
75°	237	271	308	306	302	252
85°	49	61	43	24	16	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1416.0	1416.0	1416.0	1416.0	1416.0
2.5°	1420.0	1416.0	1406.2	1416.0	1414.1
5°	1414.1	1410.1	1400.2	1410.1	1408.1
7.5°	1402.2	1400.2	1392.3	1402.2	1400.2
10°	1390.4	1386.4	1380.5	1390.4	1390.4
12.5°	1372.6	1368.6	1364.7	1376.5	1374.6
15°	1350.9	1348.9	1344.9	1356.8	1356.8
17.5°	1325.2	1325.2	1323.2	1335.1	1335.1
20°	1299.5	1297.5	1297.5	1311.4	1311.4
22.5°	1267.9	1267.9	1267.9	1285.7	1285.7
25°	1232.4	1234.3	1238.3	1256.1	1256.1
27.5°	1196.8	1200.8	1204.7	1222.5	1226.4
30°	1159.3	1161.3	1171.1	1188.9	1190.9
32.5°	1117.8	1121.8	1131.6	1151.4	1155.3
35°	1072.4	1078.3	1092.1	1113.9	1117.8
37.5°	1028.9	1036.8	1052.6	1074.4	1076.3
40°	981.5	991.4	1011.2	1030.9	1034.9
42.5°	932.2	944.0	967.7	989.4	993.4
45°	884.8	898.6	924.3	944.0	949.9
47.5°	831.4	847.2	878.8	902.5	908.5
50°	782.1	797.9	827.5	857.1	863.0
52.5°	726.8	748.5	782.1	811.7	817.6
55°	675.4	699.1	734.7	764.3	768.3
57.5°	620.1	645.8	685.3	713.0	718.9
60°	566.8	594.5	634.0	659.6	661.6
62.5°	519.4	543.1	582.6	606.3	612.2
65°	460.2	487.8	531.3	553.0	594.5
67.5°	404.9	432.5	474.0	547.1	507.6
70°	347.6	379.2	420.7	440.4	444.4
72.5°	294.3	325.9	400.9	379.2	377.2
75°	237.0	270.6	308.1	306.1	302.2
77.5°	183.7	219.2	240.9	242.9	242.9
80°	134.3	177.7	177.7	177.7	167.9
82.5°	86.9	114.5	114.5	98.7	88.9
85°	49.4	61.2	43.4	23.7	15.8
87.5°	17.8	13.8	3.9	3.9	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)