

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: P302035

Luminaire Tested: **RX-WO-39L840-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302035
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-39L840-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

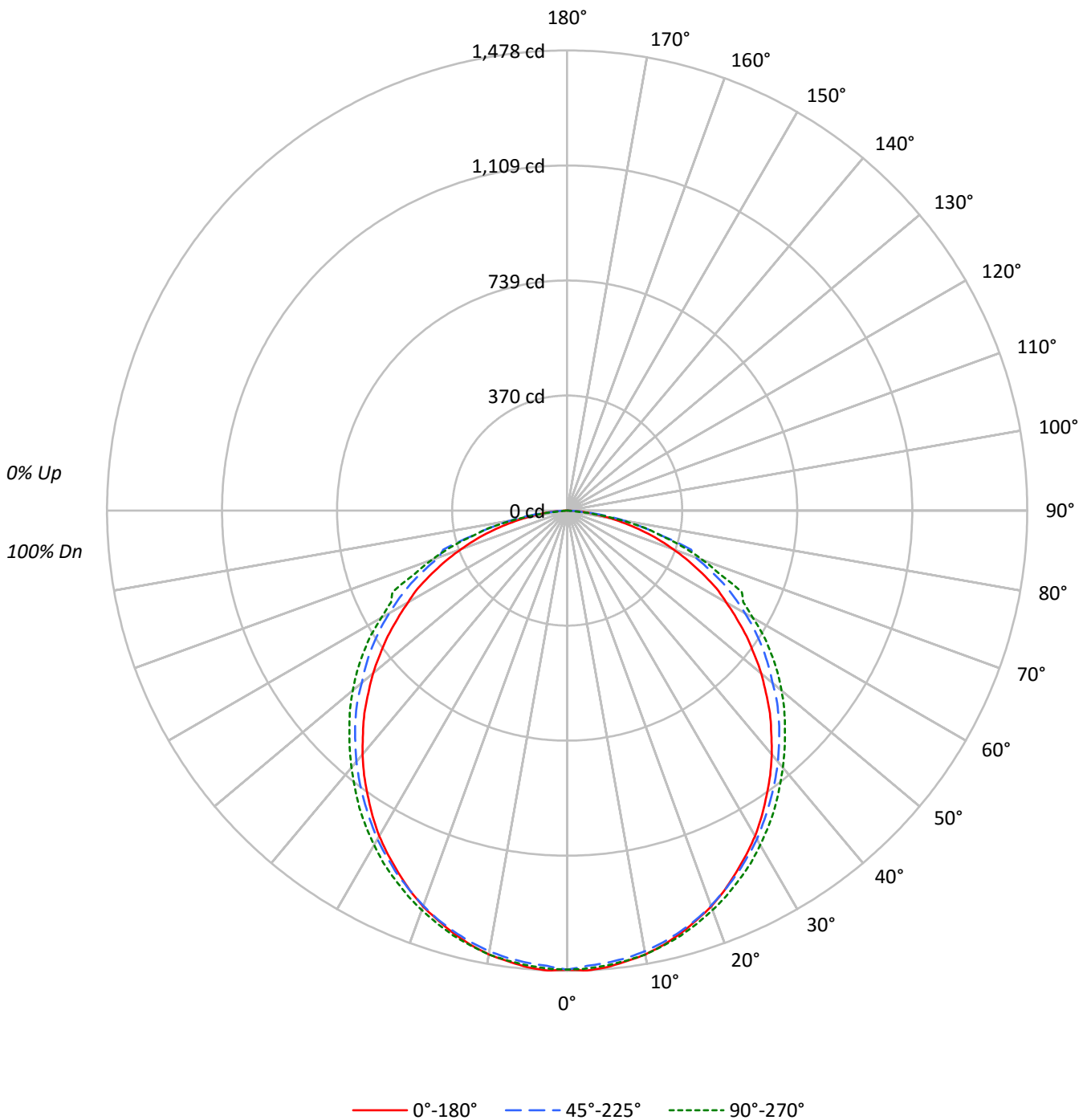
Lumens per Lamp: N/A
Luminaire Lumens: 4192.1 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3968	3968	3968
5°	3977	3938	3961
10°	3956	3928	3956
15°	3918	3901	3936
20°	3875	3869	3910
25°	3810	3828	3883
30°	3751	3789	3853
35°	3668	3735	3824
40°	3590	3698	3785
45°	3506	3663	3764
50°	3409	3607	3762
55°	3300	3589	3753
60°	3176	3553	3708
65°	3051	3522	3941
70°	2847	3446	3640
75°	2566	3335	3271
80°	2166	2868	2709
85°	1587	1396	509



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	3.3
10°-20°	396.8	9.5
20°-30°	596.5	14.2
30°-40°	713.6	17.0
40°-50°	739.8	17.6
50°-60°	678.5	16.2
60°-70°	539.7	12.9
70°-80°	320.7	7.6
80°-90°	67.2	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°	1132.6	27.0
0°-40°	1846.2	44.0
0°-60°	3264.5	77.9
0°-90°	4192.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4192.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1472	1468	1458	1468	1466	140
15°	1406	1404	1400	1413	1413	397
25°	1283	1285	1289	1308	1308	592
35°	1117	1123	1137	1160	1164	699
45°	921	936	962	983	989	709
55°	703	728	765	796	800	628
65°	479	508	553	576	619	474
75°	247	282	321	319	315	262
85°	51	64	45	25	16	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.4	1474.4	1474.4	1474.4	1474.4
2.5°	1478.5	1474.4	1464.1	1474.4	1472.3
5°	1472.3	1468.2	1457.9	1468.2	1466.2
7.5°	1460.0	1457.9	1449.7	1460.0	1457.9
10°	1447.7	1443.5	1437.4	1447.7	1447.7
12.5°	1429.1	1425.0	1420.9	1433.3	1431.2
15°	1406.5	1404.5	1400.4	1412.7	1412.7
17.5°	1379.8	1379.8	1377.7	1390.1	1390.1
20°	1353.1	1351.0	1351.0	1365.4	1365.4
22.5°	1320.2	1320.2	1320.2	1338.7	1338.7
25°	1283.1	1285.2	1289.3	1307.8	1307.8
27.5°	1246.1	1250.2	1254.4	1272.9	1277.0
30°	1207.1	1209.1	1219.4	1237.9	1240.0
32.5°	1163.9	1168.0	1178.3	1198.8	1202.9
35°	1116.6	1122.8	1137.1	1159.8	1163.9
37.5°	1071.3	1079.6	1096.0	1118.6	1120.7
40°	1022.0	1032.3	1052.8	1073.4	1077.5
42.5°	970.6	982.9	1007.6	1030.2	1034.3
45°	921.2	935.6	962.4	982.9	989.1
47.5°	865.7	882.2	915.1	939.7	945.9
50°	814.3	830.8	861.6	892.4	898.6
52.5°	756.7	779.3	814.3	845.1	851.3
55°	703.3	727.9	765.0	795.8	799.9
57.5°	645.7	672.4	713.5	742.3	748.5
60°	590.2	619.0	660.1	686.8	688.9
62.5°	540.8	565.5	606.6	631.3	637.5
65°	479.1	507.9	553.2	575.8	619.0
67.5°	421.5	450.3	493.5	569.6	528.5
70°	361.9	394.8	438.0	458.6	462.7
72.5°	306.4	339.3	417.4	394.8	392.8
75°	246.8	281.7	320.8	318.7	314.6
77.5°	191.2	228.3	250.9	252.9	252.9
80°	139.8	185.1	185.1	185.1	174.8
82.5°	90.5	119.3	119.3	102.8	92.5
85°	51.4	63.7	45.2	24.7	16.5
87.5°	18.5	14.4	4.1	4.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)