

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: P302049

Luminaire Tested: **RX-WO-48L935-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302049
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-48L935-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4175.1 lumens
Efficiency: N/A
Efficacy: 113.1 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

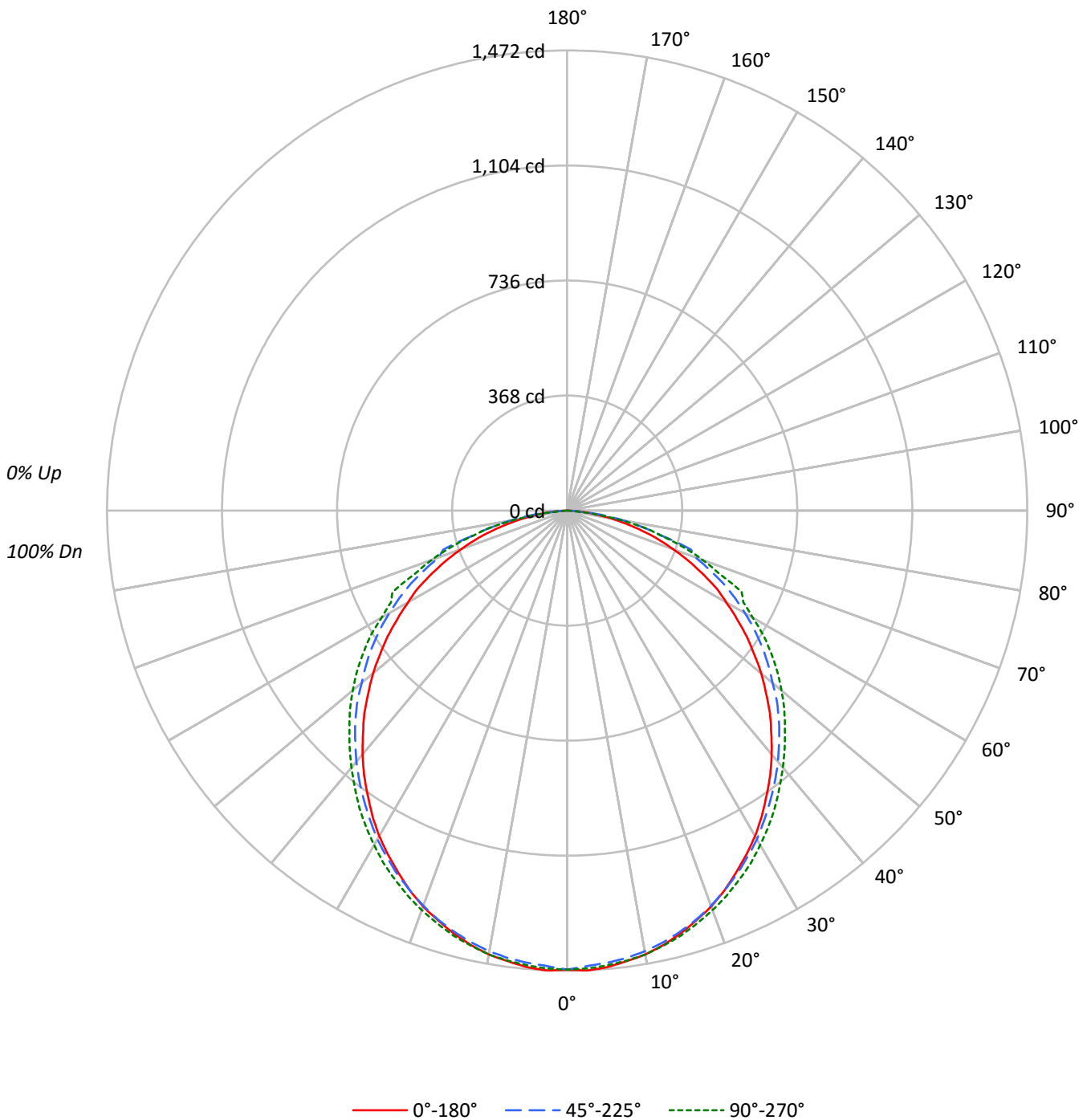
Input Watts (W): 36.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3951	3951	3951
5°	3961	3922	3944
10°	3940	3912	3940
15°	3902	3886	3920
20°	3859	3853	3894
25°	3794	3813	3867
30°	3736	3773	3837
35°	3653	3720	3808
40°	3575	3684	3770
45°	3492	3647	3749
50°	3395	3592	3747
55°	3286	3574	3738
60°	3164	3538	3693
65°	3039	3508	3925
70°	2836	3432	3626
75°	2556	3322	3257
80°	2159	2856	2698
85°	1581	1392	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.7	3.3
10°-20°	395.2	9.5
20°-30°	594.1	14.2
30°-40°	710.7	17.0
40°-50°	736.8	17.6
50°-60°	675.7	16.2
60°-70°	537.5	12.9
70°-80°	319.4	7.6
80°-90°	67.0	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°	1128.0	27.0
0°-40°	1838.7	44.0
0°-60°	3251.3	77.9
0°-90°	4175.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4175.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1466	1462	1452	1462	1460	139
15°	1401	1399	1395	1407	1407	395
25°	1278	1280	1284	1302	1302	589
35°	1112	1118	1132	1155	1159	696
45°	918	932	958	979	985	707
55°	700	725	762	793	797	625
65°	477	506	551	573	616	472
75°	246	281	320	317	313	261
85°	51	64	45	25	16	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1468.4	1468.4	1468.4	1468.4	1468.4
2.5°	1472.5	1468.4	1458.2	1468.4	1466.3
5°	1466.3	1462.3	1452.0	1462.3	1460.2
7.5°	1454.1	1452.0	1443.8	1454.1	1452.0
10°	1441.8	1437.7	1431.5	1441.8	1441.8
12.5°	1423.3	1419.2	1415.1	1427.4	1425.4
15°	1400.8	1398.8	1394.7	1407.0	1407.0
17.5°	1374.2	1374.2	1372.1	1384.4	1384.4
20°	1347.6	1345.5	1345.5	1359.9	1359.9
22.5°	1314.8	1314.8	1314.8	1333.2	1333.2
25°	1277.9	1280.0	1284.1	1302.5	1302.5
27.5°	1241.1	1245.2	1249.3	1267.7	1271.8
30°	1202.2	1204.2	1214.4	1232.9	1234.9
32.5°	1159.2	1163.2	1173.5	1194.0	1198.1
35°	1112.0	1118.2	1132.5	1155.1	1159.2
37.5°	1067.0	1075.2	1091.6	1114.1	1116.1
40°	1017.8	1028.1	1048.6	1069.0	1073.1
42.5°	966.6	978.9	1003.5	1026.0	1030.1
45°	917.5	931.8	958.4	978.9	985.1
47.5°	862.2	878.6	911.3	935.9	942.1
50°	811.0	827.4	858.1	888.8	895.0
52.5°	753.7	776.2	811.0	841.7	847.9
55°	700.4	725.0	761.8	792.6	796.7
57.5°	643.1	669.7	710.6	739.3	745.5
60°	587.8	616.4	657.4	684.0	686.1
62.5°	538.6	563.2	604.2	628.7	634.9
65°	477.2	505.8	550.9	573.4	616.4
67.5°	419.8	448.5	491.5	567.3	526.3
70°	360.4	393.2	436.2	456.7	460.8
72.5°	305.1	337.9	415.7	393.2	391.2
75°	245.8	280.6	319.5	317.4	313.3
77.5°	190.5	227.3	249.9	251.9	251.9
80°	139.3	184.3	184.3	184.3	174.1
82.5°	90.1	118.8	118.8	102.4	92.2
85°	51.2	63.5	45.1	24.6	16.4
87.5°	18.4	14.3	4.1	4.1	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)