

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: P302043

Luminaire Tested: **RX-WO-48L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302043
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-48L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

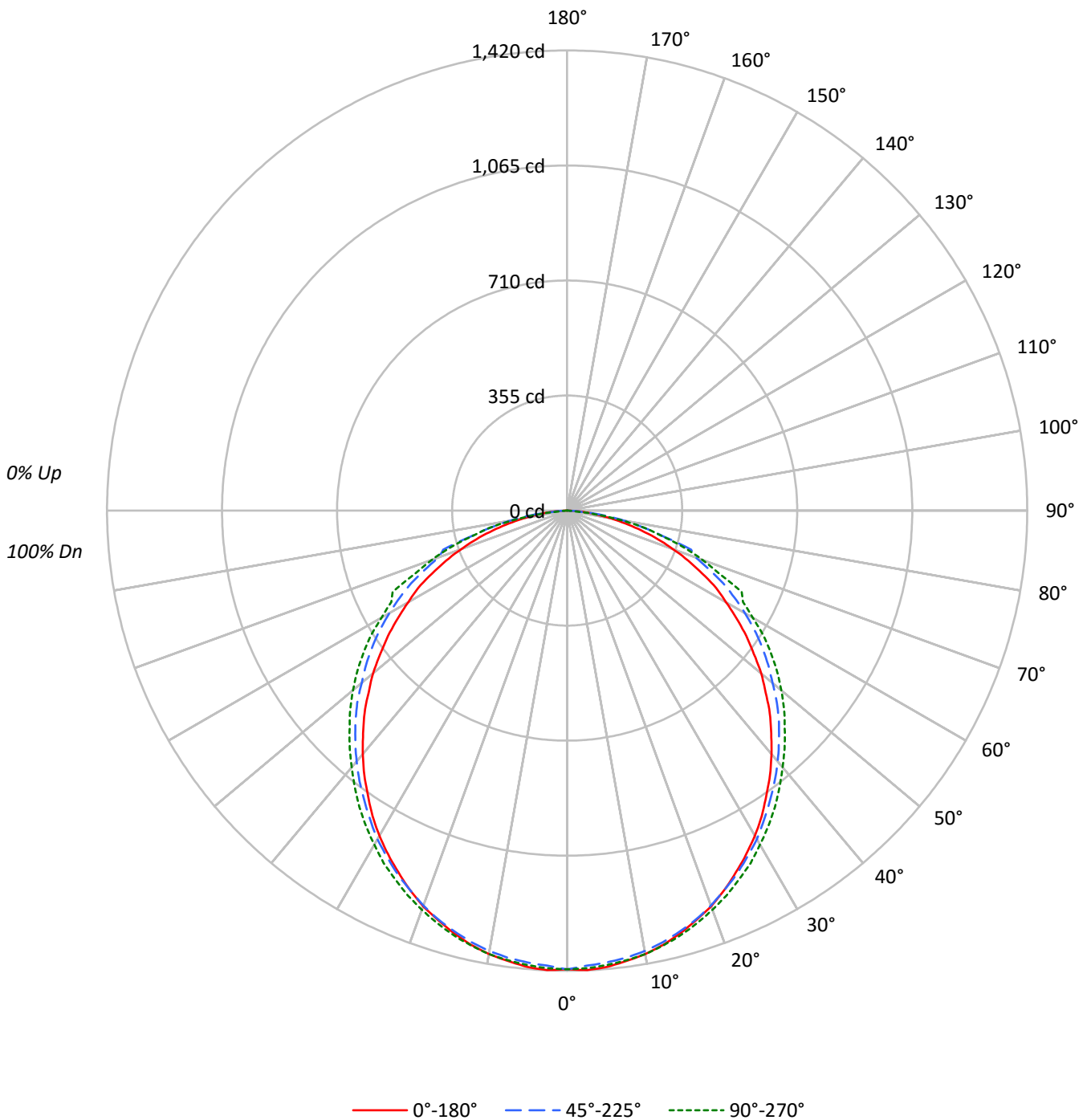
Lumens per Lamp: N/A
Luminaire Lumens: 4024.9 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3809	3809	3809
5°	3818	3781	3803
10°	3798	3771	3798
15°	3762	3746	3779
20°	3720	3714	3754
25°	3658	3676	3728
30°	3601	3638	3699
35°	3522	3587	3671
40°	3447	3551	3634
45°	3366	3516	3614
50°	3273	3463	3612
55°	3168	3445	3603
60°	3049	3411	3560
65°	2929	3382	3784
70°	2734	3308	3495
75°	2463	3202	3141
80°	2081	2754	2600
85°	1525	1340	488



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	3.3
10°-20°	381.0	9.5
20°-30°	572.7	14.2
30°-40°	685.1	17.0
40°-50°	710.3	17.6
50°-60°	651.4	16.2
60°-70°	518.2	12.9
70°-80°	307.9	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°	1087.4	27.0
0°-40°	1772.6	44.0
0°-60°	3134.3	77.9
0°-90°	4024.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4024.9	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°	1350	1348	1344	1356	1356	381
25°	1232	1234	1238	1256	1256	568
35°	1072	1078	1092	1114	1118	671
45°	884	898	924	944	950	681
55°	675	699	734	764	768	603
65°	460	488	531	553	594	455
75°	237	270	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°	1415.6	1415.6	1415.6	1415.6	1415.6
2.5°	1419.5	1415.6	1405.7	1415.6	1413.6
5°	1413.6	1409.7	1399.8	1409.7	1407.7
7.5°	1401.8	1399.8	1391.9	1401.8	1399.8
10°	1389.9	1386.0	1380.0	1389.9	1389.9
12.5°	1372.2	1368.2	1364.3	1376.1	1374.1
15°	1350.4	1348.5	1344.5	1356.4	1356.4
17.5°	1324.8	1324.8	1322.8	1334.6	1334.6
20°	1299.1	1297.1	1297.1	1310.9	1310.9
22.5°	1267.5	1267.5	1267.5	1285.3	1285.3
25°	1232.0	1233.9	1237.9	1255.7	1255.7
27.5°	1196.4	1200.4	1204.3	1222.1	1226.1
30°	1158.9	1160.9	1170.8	1188.5	1190.5
32.5°	1117.5	1121.4	1131.3	1151.0	1155.0
35°	1072.1	1078.0	1091.8	1113.5	1117.5
37.5°	1028.6	1036.5	1052.3	1074.0	1076.0
40°	981.2	991.1	1010.9	1030.6	1034.5
42.5°	931.9	943.7	967.4	989.1	993.1
45°	884.5	898.3	924.0	943.7	949.6
47.5°	831.2	847.0	878.6	902.3	908.2
50°	781.8	797.6	827.2	856.9	862.8
52.5°	726.5	748.3	781.8	811.4	817.4
55°	675.2	698.9	734.4	764.1	768.0
57.5°	619.9	645.6	685.1	712.7	718.7
60°	566.6	594.3	633.8	659.4	661.4
62.5°	519.2	542.9	582.4	606.1	612.0
65°	460.0	487.7	531.1	552.8	594.3
67.5°	404.7	432.4	473.8	546.9	507.4
70°	347.5	379.1	420.5	440.3	444.2
72.5°	294.2	325.8	400.8	379.1	377.1
75°	236.9	270.5	308.0	306.0	302.1
77.5°	183.6	219.1	240.9	242.8	242.8
80°	134.3	177.7	177.7	177.7	167.8
82.5°	86.9	114.5	114.5	98.7	88.8
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)