

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: P302044

Luminaire Tested: **RX-WO-60L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302044
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-60L930-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

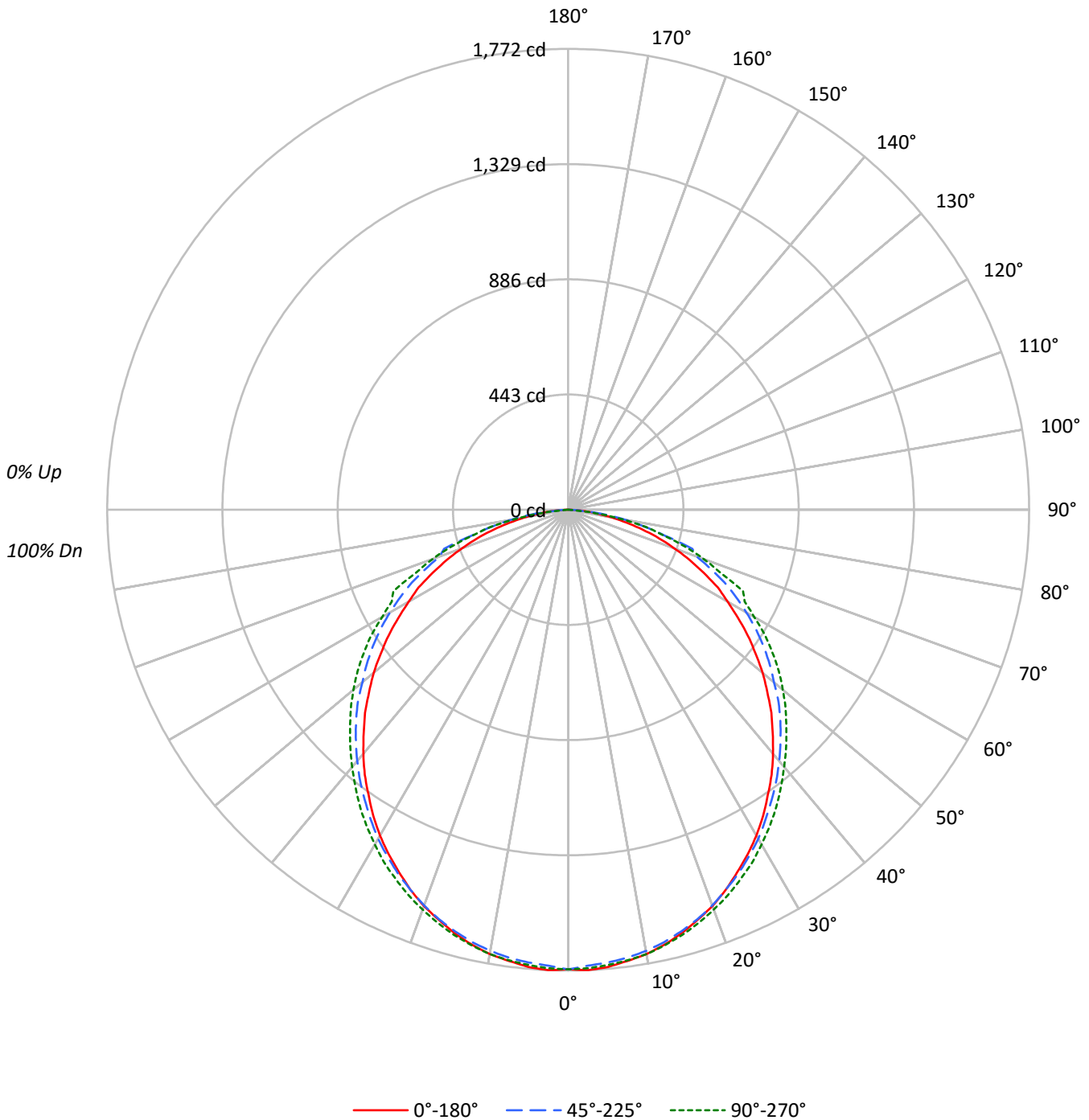
Lumens per Lamp: N/A
Luminaire Lumens: 5024.7 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 48.3
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°	4755	4755	4755
5°	4767	4720	4747
10°	4741	4708	4741
15°	4697	4676	4717
20°	4644	4637	4687
25°	4567	4589	4654
30°	4496	4542	4618
35°	4396	4478	4583
40°	4303	4433	4537
45°	4202	4390	4512
50°	4086	4323	4509
55°	3955	4302	4498
60°	3807	4258	4444
65°	3657	4222	4724
70°	3413	4131	4364
75°	3075	3998	3921
80°	2597	3437	3247
85°	1902	1673	608



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.9	3.3
10°-20°	475.6	9.5
20°-30°	715.0	14.2
30°-40°	855.3	17.0
40°-50°	886.8	17.6
50°-60°	813.2	16.2
60°-70°	646.9	12.9
70°-80°	384.4	7.6
80°-90°	80.6	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°	1357.6	27.0
0°-40°	2212.9	44.0
0°-60°	3912.9	77.9
0°-90°	5024.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5024.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1767	1767	1767	1767	1767	
5°	1765	1760	1748	1760	1757	167
15°	1686	1683	1678	1693	1693	475
25°	1538	1540	1545	1568	1568	709
35°	1338	1346	1363	1390	1395	838
45°	1104	1121	1154	1178	1186	850
55°	843	872	917	954	959	753
65°	574	609	663	690	742	569
75°	296	338	384	382	377	314
85°	62	76	54	30	20	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1767.2	1767.2	1767.2	1767.2	1767.2
2.5°	1772.1	1767.2	1754.9	1767.2	1764.7
5°	1764.7	1759.8	1747.5	1759.8	1757.3
7.5°	1749.9	1747.5	1737.6	1749.9	1747.5
10°	1735.2	1730.2	1722.8	1735.2	1735.2
12.5°	1713.0	1708.0	1703.1	1717.9	1715.4
15°	1685.9	1683.4	1678.5	1693.3	1693.3
17.5°	1653.8	1653.8	1651.4	1666.1	1666.1
20°	1621.8	1619.3	1619.3	1636.6	1636.6
22.5°	1582.3	1582.3	1582.3	1604.5	1604.5
25°	1538.0	1540.4	1545.4	1567.6	1567.6
27.5°	1493.6	1498.5	1503.5	1525.7	1530.6
30°	1446.8	1449.3	1461.6	1483.8	1486.2
32.5°	1395.0	1400.0	1412.3	1436.9	1441.9
35°	1338.3	1345.7	1363.0	1390.1	1395.0
37.5°	1284.1	1294.0	1313.7	1340.8	1343.3
40°	1225.0	1237.3	1261.9	1286.6	1291.5
42.5°	1163.3	1178.1	1207.7	1234.8	1239.8
45°	1104.2	1121.4	1153.5	1178.1	1185.5
47.5°	1037.6	1057.4	1096.8	1126.4	1133.8
50°	976.0	995.7	1032.7	1069.7	1077.1
52.5°	907.0	934.1	976.0	1013.0	1020.4
55°	842.9	872.5	916.9	953.8	958.8
57.5°	773.9	806.0	855.3	889.8	897.2
60°	707.4	741.9	791.2	823.2	825.7
62.5°	648.2	677.8	727.1	756.7	764.1
65°	574.3	608.8	663.0	690.1	741.9
67.5°	505.3	539.8	591.5	682.7	633.4
70°	433.8	473.2	525.0	549.6	554.6
72.5°	367.2	406.7	500.3	473.2	470.8
75°	295.8	337.7	384.5	382.0	377.1
77.5°	229.2	273.6	300.7	303.2	303.2
80°	167.6	221.8	221.8	221.8	209.5
82.5°	108.4	143.0	143.0	123.2	110.9
85°	61.6	76.4	54.2	29.6	19.7
87.5°	22.2	17.3	4.9	4.9	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)