

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: P302056

Luminaire Tested: **RX-WO-60L940-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302056  
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-60L940-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (196)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5315.8 lumens  
Efficiency: N/A  
Efficacy: 110.1 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

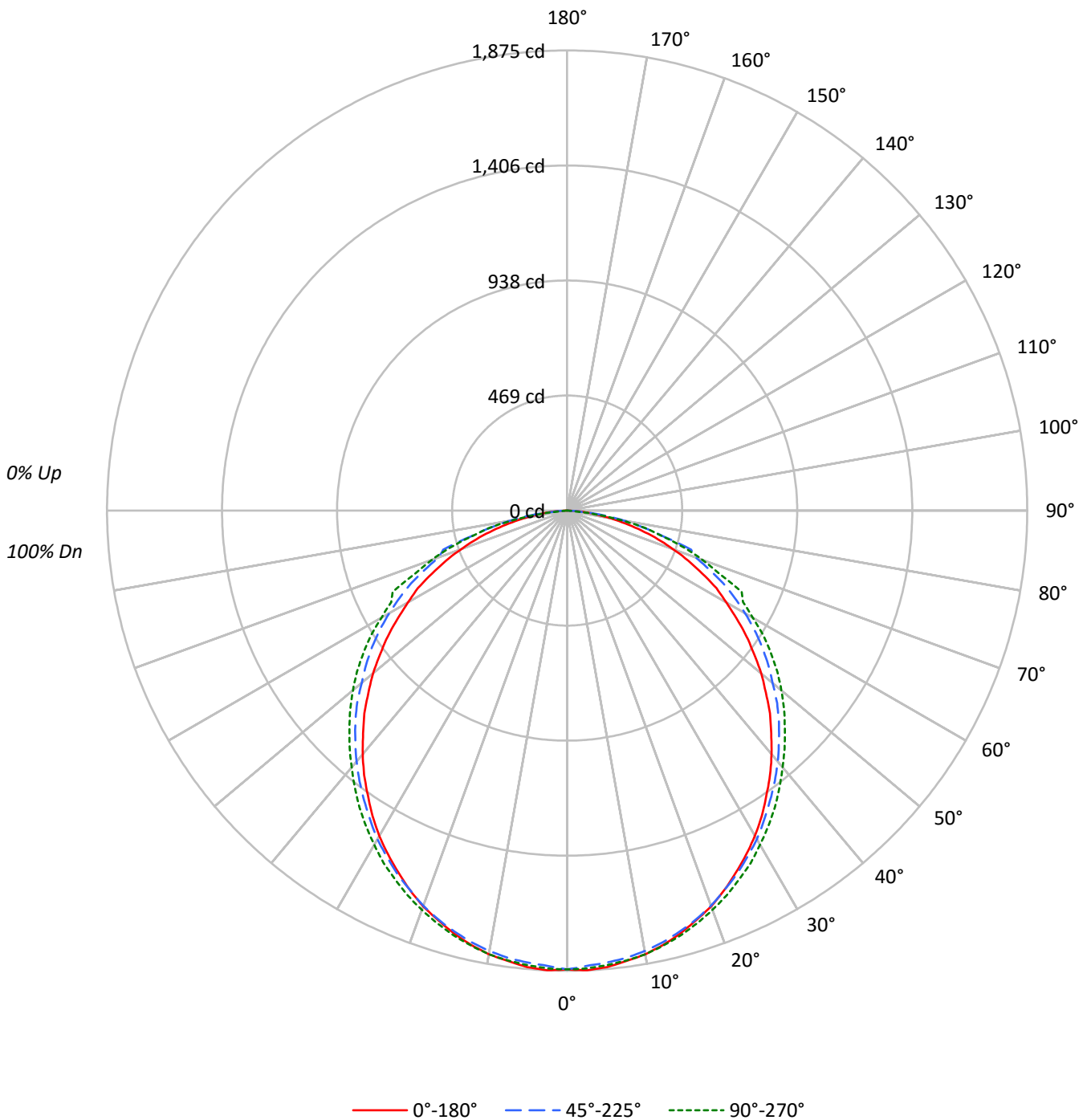
Input Watts (W): 48.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	5031	5031	5031
5°	5043	4994	5022
10°	5016	4980	5016
15°	4969	4947	4990
20°	4913	4906	4958
25°	4831	4854	4924
30°	4756	4804	4886
35°	4651	4737	4848
40°	4552	4690	4800
45°	4446	4644	4773
50°	4323	4574	4770
55°	4184	4551	4759
60°	4028	4505	4701
65°	3868	4466	4998
70°	3611	4370	4616
75°	3253	4230	4147
80°	2748	3637	3434
85°	2013	1772	645



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.6	3.3
10°-20°	503.2	9.5
20°-30°	756.4	14.2
30°-40°	904.9	17.0
40°-50°	938.1	17.6
50°-60°	860.3	16.2
60°-70°	684.4	12.9
70°-80°	406.6	7.6
80°-90°	85.2	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°	1436.2	27.0
0°-40°	2341.0	44.0
0°-60°	4139.5	77.9
0°-90°	5315.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5315.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1867	1862	1849	1862	1859	177
15°	1784	1781	1776	1791	1791	503
25°	1627	1630	1635	1658	1658	750
35°	1416	1424	1442	1471	1476	887
45°	1168	1186	1220	1246	1254	900
55°	892	923	970	1009	1014	796
65°	608	644	701	730	785	602
75°	313	357	407	404	399	333
85°	65	81	57	31	21	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1869.6	1869.6	1869.6	1869.6	1869.6
2.5°	1874.8	1869.6	1856.5	1869.6	1867.0
5°	1867.0	1861.7	1848.7	1861.7	1859.1
7.5°	1851.3	1848.7	1838.3	1851.3	1848.7
10°	1835.7	1830.5	1822.6	1835.7	1835.7
12.5°	1812.2	1807.0	1801.8	1817.4	1814.8
15°	1783.5	1780.9	1775.7	1791.3	1791.3
17.5°	1749.6	1749.6	1747.0	1762.7	1762.7
20°	1715.7	1713.1	1713.1	1731.4	1731.4
22.5°	1674.0	1674.0	1674.0	1697.5	1697.5
25°	1627.1	1629.7	1634.9	1658.4	1658.4
27.5°	1580.1	1585.4	1590.6	1614.0	1619.3
30°	1530.6	1533.2	1546.2	1569.7	1572.3
32.5°	1475.8	1481.1	1494.1	1520.2	1525.4
35°	1415.9	1423.7	1441.9	1470.6	1475.8
37.5°	1358.5	1368.9	1389.8	1418.5	1421.1
40°	1295.9	1309.0	1335.0	1361.1	1366.3
42.5°	1230.7	1246.4	1277.7	1306.4	1311.6
45°	1168.2	1186.4	1220.3	1246.4	1254.2
47.5°	1097.8	1118.6	1160.3	1191.6	1199.4
50°	1032.6	1053.4	1092.5	1131.7	1139.5
52.5°	959.6	988.2	1032.6	1071.7	1079.5
55°	891.8	923.1	970.0	1009.1	1014.3
57.5°	818.8	852.7	904.8	941.3	949.1
60°	748.4	784.9	837.0	870.9	873.5
62.5°	685.8	717.1	769.2	800.5	808.3
65°	607.5	644.1	701.4	730.1	784.9
67.5°	534.5	571.0	625.8	722.3	670.1
70°	458.9	500.6	555.4	581.5	586.7
72.5°	388.5	430.2	529.3	500.6	498.0
75°	312.9	357.2	406.8	404.2	398.9
77.5°	242.5	289.4	318.1	320.7	320.7
80°	177.3	234.7	234.7	234.7	221.6
82.5°	114.7	151.2	151.2	130.4	117.3
85°	65.2	80.8	57.4	31.3	20.9
87.5°	23.5	18.3	5.2	5.2	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)