

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: P302091

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: ZX-WO-60L940-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (196)4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5330.5 lumens  
Efficiency: N/A  
Efficacy: 110.4 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

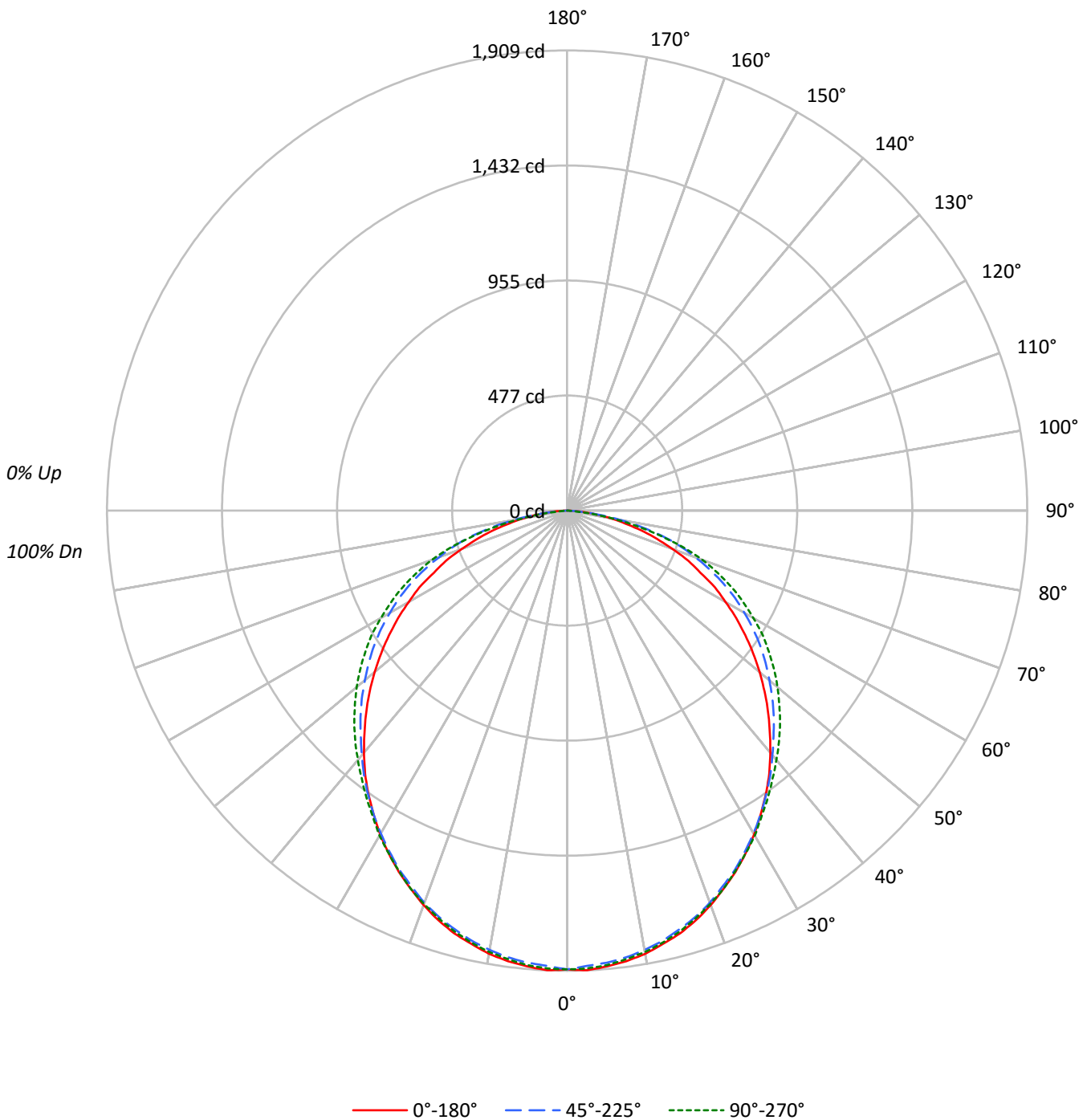
Input Watts (W): 48.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	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°	5122	5122	5122
5°	5128	5085	5113
10°	5102	5059	5080
15°	5056	5012	5034
20°	4988	4958	4973
25°	4908	4885	4901
30°	4821	4804	4837
35°	4720	4728	4771
40°	4607	4653	4745
45°	4485	4614	4753
50°	4366	4585	4770
55°	4233	4587	4795
60°	4084	4575	4800
65°	3885	4550	4798
70°	3651	4452	4698
75°	3307	4257	4120
80°	2828	3434	3031
85°	2013	1609	482



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.5	3.4
10°-20°	509.7	9.6
20°-30°	760.2	14.3
30°-40°	903.3	16.9
40°-50°	937.5	17.6
50°-60°	867.0	16.3
60°-70°	690.6	13.0
70°-80°	404.3	7.6
80°-90°	78.4	1.5
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°	1449.4	27.2
0°-40°	2352.7	44.1
0°-60°	4157.2	78.0
0°-90°	5330.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5330.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1904	1904	1904	1904	1904	
5°	1898	1893	1883	1893	1893	180
15°	1815	1812	1799	1812	1807	511
25°	1653	1650	1645	1653	1650	761
35°	1437	1437	1439	1450	1452	898
45°	1179	1192	1212	1241	1249	909
55°	902	928	978	1012	1022	807
65°	610	654	714	743	754	608
75°	318	370	409	404	396	337
85°	65	78	52	26	16	82
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1903.5	1903.5	1903.5	1903.5	1903.5
2.5°	1908.7	1903.5	1890.4	1903.5	1900.9
5°	1898.3	1893.0	1882.6	1893.0	1893.0
7.5°	1885.2	1880.0	1869.6	1880.0	1877.4
10°	1867.0	1861.7	1851.3	1861.7	1859.1
12.5°	1840.9	1838.3	1827.9	1838.3	1835.7
15°	1814.8	1812.2	1799.2	1812.2	1807.0
17.5°	1780.9	1778.3	1767.9	1775.7	1773.1
20°	1741.8	1736.6	1731.4	1739.2	1736.6
22.5°	1697.5	1694.9	1687.0	1700.1	1697.5
25°	1653.1	1650.5	1645.3	1653.1	1650.5
27.5°	1603.6	1601.0	1595.8	1606.2	1603.6
30°	1551.5	1551.5	1546.2	1559.3	1556.7
32.5°	1494.1	1494.1	1494.1	1501.9	1501.9
35°	1436.7	1436.7	1439.3	1449.8	1452.4
37.5°	1376.8	1376.8	1384.6	1400.2	1400.2
40°	1311.6	1316.8	1324.6	1348.1	1350.7
42.5°	1243.8	1254.2	1267.2	1295.9	1301.1
45°	1178.6	1191.6	1212.5	1241.2	1249.0
47.5°	1110.8	1126.4	1155.1	1186.4	1194.2
50°	1043.0	1063.9	1095.1	1131.7	1139.5
52.5°	972.6	996.1	1037.8	1074.3	1082.1
55°	902.2	928.3	977.8	1011.7	1022.1
57.5°	831.8	860.5	915.2	949.1	962.2
60°	758.8	790.1	850.0	881.3	891.8
62.5°	691.0	724.9	784.9	813.5	824.0
65°	610.2	654.5	714.5	743.1	753.6
67.5°	545.0	586.7	641.4	672.7	675.3
70°	464.1	516.3	565.8	591.9	597.1
72.5°	391.1	443.3	492.8	503.2	503.2
75°	318.1	370.3	409.4	404.2	396.3
77.5°	245.1	297.3	318.1	299.9	292.0
80°	182.5	226.9	221.6	203.4	195.6
82.5°	119.9	153.8	130.4	109.5	99.1
85°	65.2	78.2	52.1	26.1	15.6
87.5°	23.5	15.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)