

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: P302071

Luminaire Tested: **ZX-WO-44L840-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302071  
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-44L840-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (112)4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4782.8 lumens  
Efficiency: N/A  
Efficacy: 124.9 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

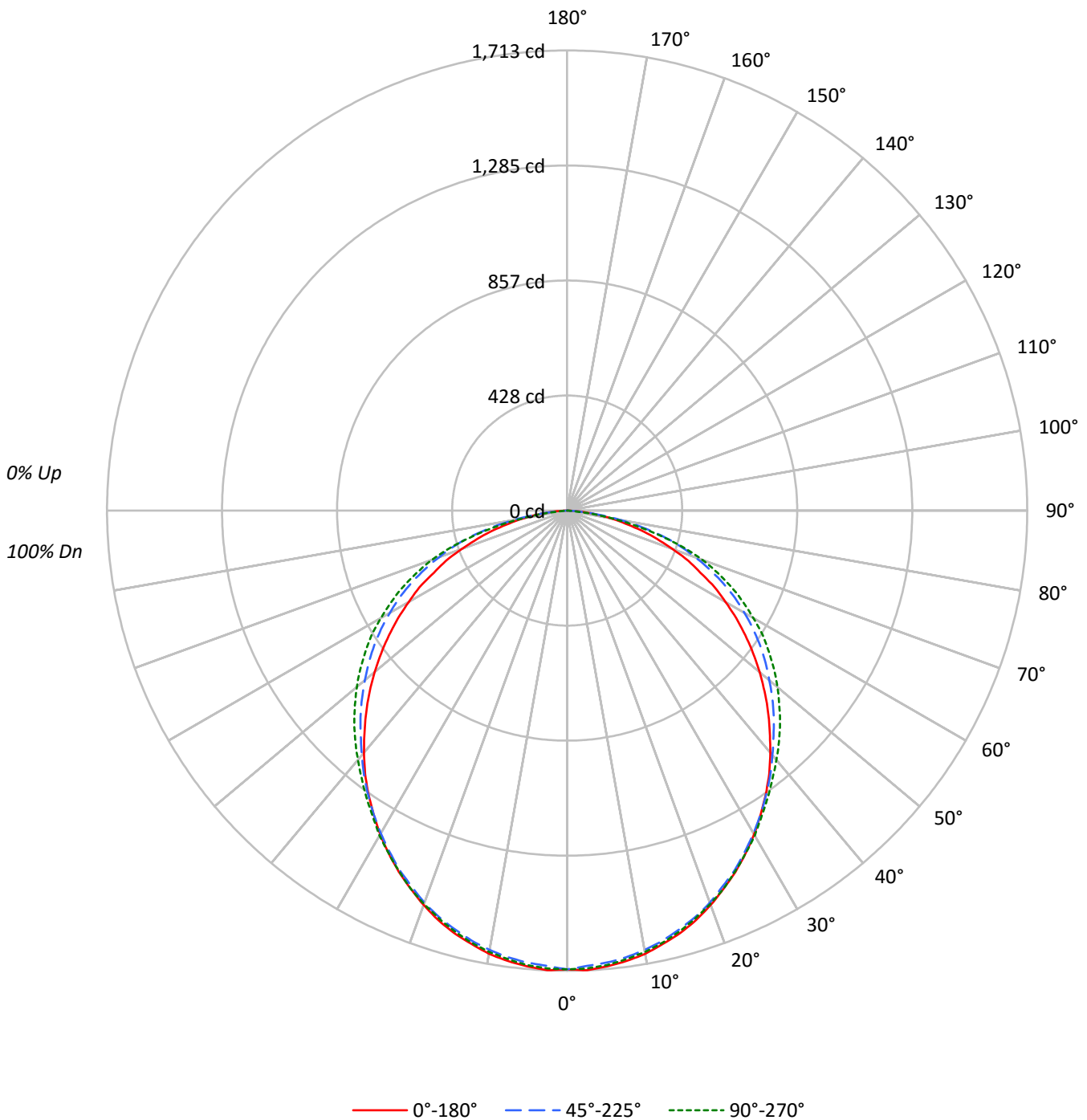
Input Watts (W): 38.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	4596	4596	4596
5°	4601	4563	4588
10°	4577	4539	4558
15°	4536	4497	4517
20°	4475	4449	4462
25°	4404	4383	4397
30°	4325	4311	4340
35°	4235	4242	4281
40°	4134	4175	4257
45°	4024	4140	4265
50°	3918	4114	4280
55°	3798	4116	4303
60°	3664	4105	4306
65°	3486	4082	4305
70°	3276	3995	4216
75°	2967	3819	3697
80°	2538	3082	2720
85°	1806	1445	432



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.1	3.4
10°-20°	457.3	9.6
20°-30°	682.1	14.3
30°-40°	810.4	16.9
40°-50°	841.2	17.6
50°-60°	777.9	16.3
60°-70°	619.7	13.0
70°-80°	362.7	7.6
80°-90°	70.4	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°	1300.5	27.2
0°-40°	2111.0	44.1
0°-60°	3730.1	78.0
0°-90°	4782.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4782.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1703	1698	1689	1698	1698	162
15°	1628	1626	1614	1626	1621	459
25°	1483	1481	1476	1483	1481	683
35°	1289	1289	1291	1301	1303	806
45°	1058	1069	1088	1114	1121	816
55°	810	833	877	908	917	724
65°	548	587	641	667	676	546
75°	285	332	367	363	356	302
85°	58	70	47	23	14	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1707.9	1707.9	1707.9	1707.9	1707.9
2.5°	1712.6	1707.9	1696.2	1707.9	1705.6
5°	1703.2	1698.5	1689.2	1698.5	1698.5
7.5°	1691.5	1686.8	1677.5	1686.8	1684.5
10°	1675.1	1670.5	1661.1	1670.5	1668.1
12.5°	1651.7	1649.4	1640.0	1649.4	1647.1
15°	1628.3	1626.0	1614.3	1626.0	1621.3
17.5°	1597.9	1595.6	1586.2	1593.3	1590.9
20°	1562.8	1558.2	1553.5	1560.5	1558.2
22.5°	1523.1	1520.7	1513.7	1525.4	1523.1
25°	1483.3	1481.0	1476.3	1483.3	1481.0
27.5°	1438.8	1436.5	1431.8	1441.2	1438.8
30°	1392.0	1392.0	1387.4	1399.1	1396.7
32.5°	1340.6	1340.6	1340.6	1347.6	1347.6
35°	1289.1	1289.1	1291.4	1300.8	1303.1
37.5°	1235.3	1235.3	1242.3	1256.4	1256.4
40°	1176.8	1181.5	1188.5	1209.6	1211.9
42.5°	1116.0	1125.3	1137.0	1162.8	1167.4
45°	1057.5	1069.2	1087.9	1113.6	1120.7
47.5°	996.7	1010.7	1036.4	1064.5	1071.5
50°	935.8	954.5	982.6	1015.4	1022.4
52.5°	872.7	893.7	931.2	963.9	970.9
55°	809.5	832.9	877.3	907.8	917.1
57.5°	746.3	772.1	821.2	851.6	863.3
60°	680.8	708.9	762.7	790.8	800.1
62.5°	620.0	650.4	704.2	729.9	739.3
65°	547.5	587.2	641.0	666.8	676.1
67.5°	489.0	526.4	575.5	603.6	606.0
70°	416.4	463.2	507.7	531.1	535.8
72.5°	350.9	397.7	442.2	451.5	451.5
75°	285.4	332.2	367.3	362.6	355.6
77.5°	219.9	266.7	285.4	269.1	262.0
80°	163.8	203.5	198.9	182.5	175.5
82.5°	107.6	138.0	117.0	98.3	88.9
85°	58.5	70.2	46.8	23.4	14.0
87.5°	21.1	14.0	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)