

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: P302393

Luminaire Tested: **RX-WO-40L935-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RX-WO-40L935-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

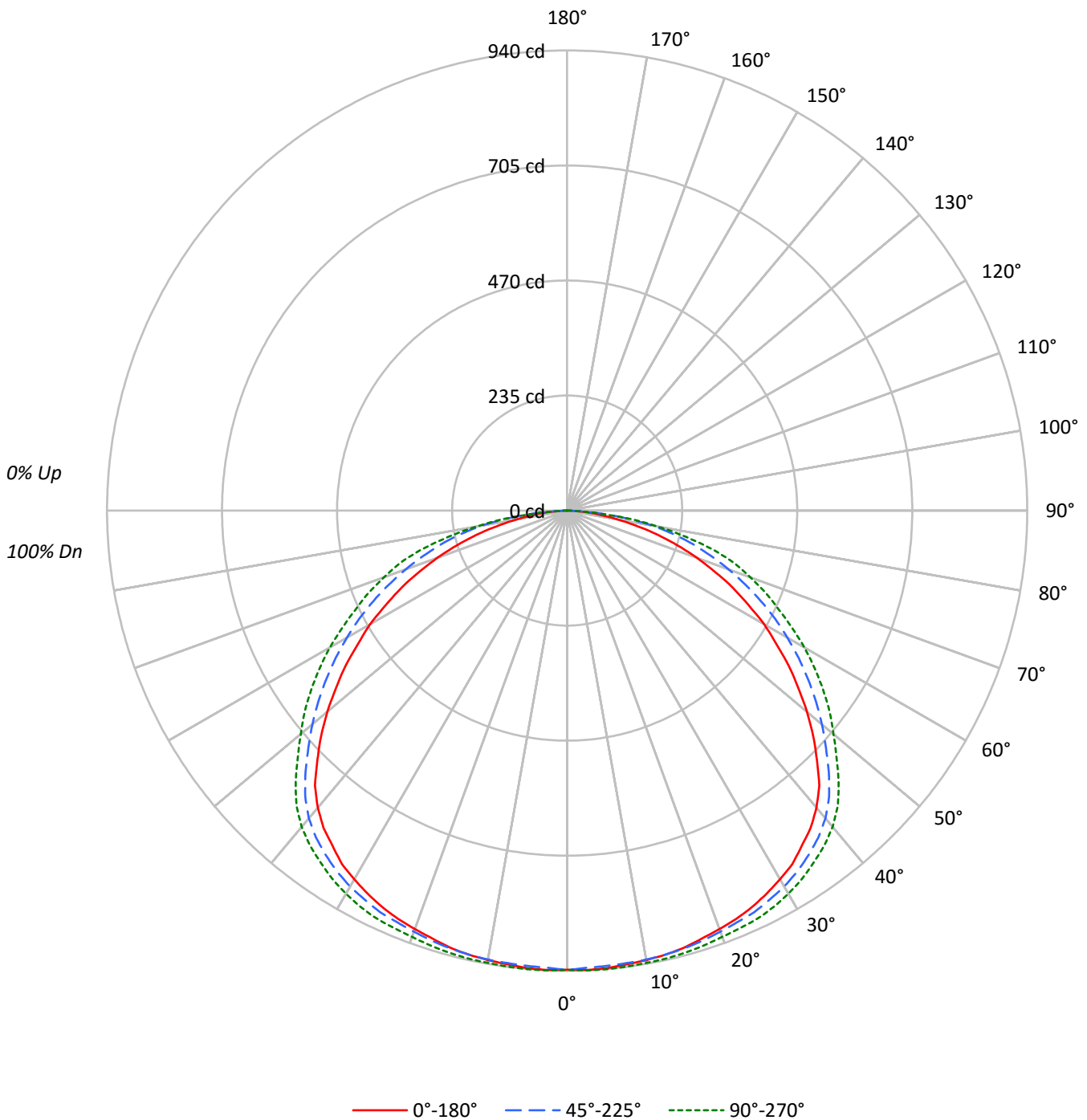
Lumens per Lamp: N/A  
Luminaire Lumens: 3194.7 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	108	103	98	94	105	101	97	93	96	93	90	92	90	87	89	87	85	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	71	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	68	63	58	56
4	81	68	59	52	79	67	58	52	64	57	51	62	56	50	60	54	50	47
5	74	61	51	45	72	60	51	44	58	50	44	55	49	43	54	48	43	41
6	68	55	45	39	66	54	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	29	24	34	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1262	1262	1262
5°	1267	1261	1270
10°	1274	1272	1282
15°	1288	1289	1302
20°	1302	1311	1327
25°	1327	1344	1366
30°	1351	1378	1404
35°	1373	1412	1442
40°	1391	1441	1482
45°	1373	1438	1492
50°	1339	1422	1487
55°	1297	1409	1497
60°	1252	1399	1506
65°	1190	1390	1517
70°	1108	1381	1565
75°	996	1386	1606
80°	821	1369	1466
85°	599	1020	951



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.4	2.8
10°-20°	262.7	8.2
20°-30°	418.4	13.1
30°-40°	537.9	16.8
40°-50°	581.6	18.2
50°-60°	535.0	16.7
60°-70°	426.5	13.4
70°-80°	271.0	8.5
80°-90°	72.2	2.3
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°	770.4	24.1
0°-40°	1308.3	41.0
0°-60°	2424.9	75.9
0°-90°	3194.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3194.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	938	938	934	939	940	89
15°	924	926	926	934	935	261
25°	894	897	905	915	920	412
35°	836	845	860	875	878	524
45°	722	734	756	776	784	556
55°	553	569	601	628	638	493
65°	374	393	437	468	476	369
75°	192	219	267	302	309	203
85°	39	60	66	66	62	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	938.1	938.1	938.1	938.1	938.1
2.5°	939.3	939.3	934.7	940.4	940.4
5°	938.1	938.1	933.6	939.3	940.4
7.5°	934.7	935.9	932.4	938.1	939.3
10°	932.4	933.6	931.3	937.0	938.1
12.5°	929.0	930.2	929.0	935.9	937.0
15°	924.5	925.6	925.6	933.6	934.7
17.5°	916.5	918.8	921.0	930.2	931.3
20°	909.6	911.9	915.3	925.6	926.7
22.5°	902.8	905.1	909.6	922.2	923.3
25°	893.7	897.1	905.1	915.3	919.9
27.5°	882.3	889.1	896.0	908.5	913.1
30°	869.7	876.6	886.8	900.5	903.9
32.5°	856.1	862.9	874.3	889.1	892.5
35°	835.6	844.7	859.5	875.4	877.7
37.5°	817.3	826.4	842.4	859.5	862.9
40°	792.2	803.6	820.7	836.7	843.5
42.5°	762.6	774.0	792.2	811.6	818.5
45°	721.6	734.1	755.8	776.3	784.3
47.5°	681.7	693.1	717.0	740.9	746.6
50°	639.5	653.2	679.4	704.5	710.2
52.5°	595.0	612.1	640.6	666.8	676.0
55°	552.9	568.8	600.7	628.1	638.3
57.5°	506.1	525.5	560.8	590.5	599.6
60°	465.1	482.2	519.8	550.6	559.7
62.5°	417.2	437.7	478.8	509.5	517.5
65°	373.9	393.3	436.6	468.5	476.5
67.5°	327.2	350.0	393.3	426.3	438.9
70°	281.6	305.5	351.1	385.3	397.8
72.5°	236.0	262.2	307.8	343.1	359.1
75°	191.5	218.9	266.7	302.1	308.9
77.5°	147.0	177.8	223.4	248.5	248.5
80°	106.0	136.8	176.7	183.5	189.2
82.5°	70.7	99.2	120.8	127.7	128.8
85°	38.8	60.4	66.1	66.1	61.6
87.5°	14.8	19.4	13.7	6.8	4.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)