

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: P302362

Luminaire Tested: **RX-WO-35L835-UNV-24-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302362  
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-35L835-UNV-24-STD  
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.  
ROUND LENS, STANDARD LUMEN PACKAGE.  
Light Source: (168)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

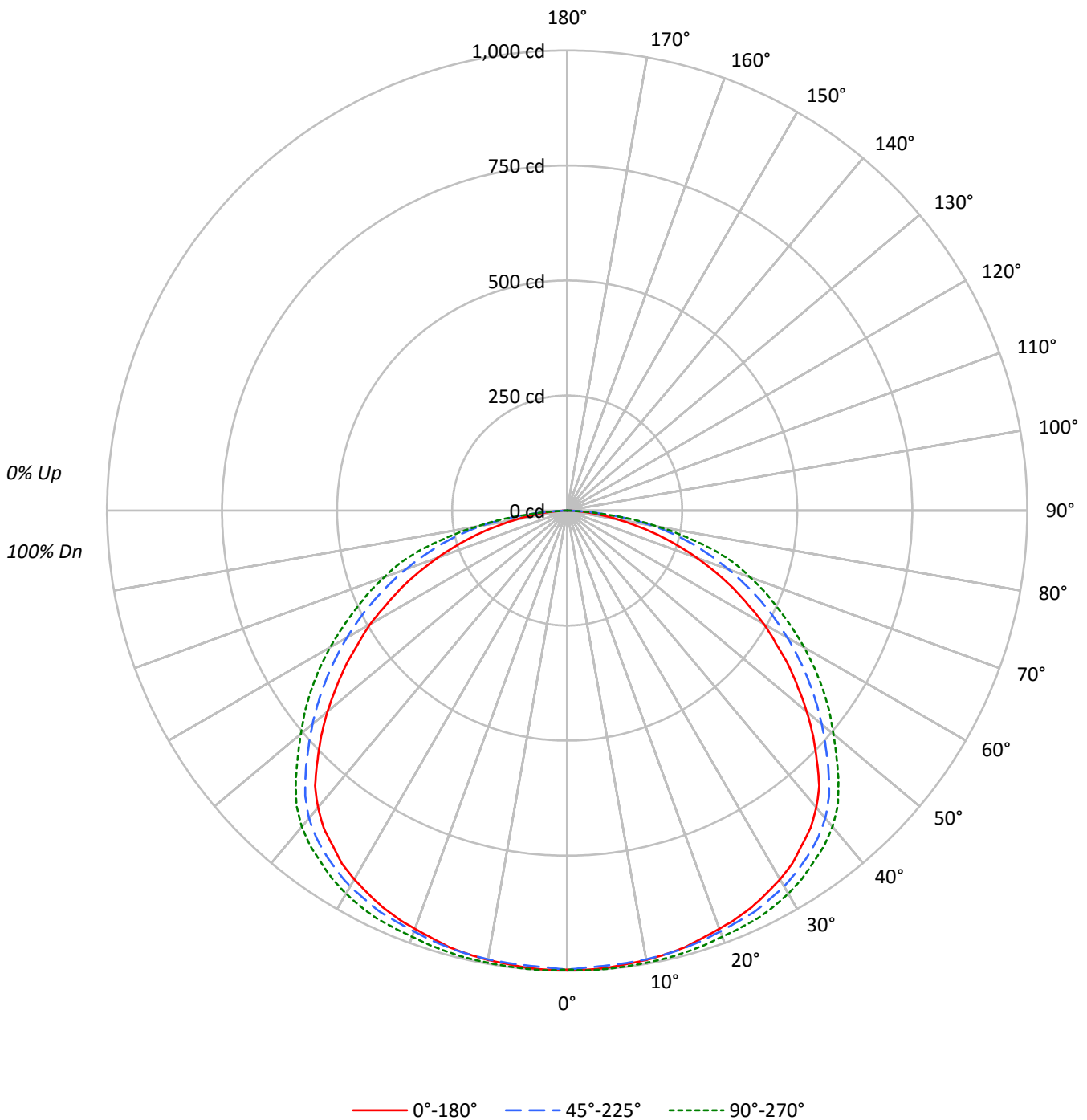
Lumens per Lamp: N/A  
Luminaire Lumens: 3397.1 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Spacing Criteria (0/90/45): 1.38 / 1.43 / 1.51  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.9  
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	108	103	98	94	105	101	97	93	96	93	90	93	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°	1342	1342	1342
5°	1347	1341	1351
10°	1355	1353	1363
15°	1369	1371	1384
20°	1385	1394	1411
25°	1411	1429	1452
30°	1437	1465	1493
35°	1459	1501	1533
40°	1480	1533	1576
45°	1460	1529	1587
50°	1423	1512	1581
55°	1379	1498	1592
60°	1331	1487	1602
65°	1266	1478	1613
70°	1178	1469	1664
75°	1058	1474	1708
80°	873	1456	1559
85°	636	1085	1011



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.0	2.8
10°-20°	279.3	8.2
20°-30°	444.9	13.1
30°-40°	571.9	16.8
40°-50°	618.5	18.2
50°-60°	568.9	16.7
60°-70°	453.6	13.4
70°-80°	288.1	8.5
80°-90°	76.8	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°	819.3	24.1
0°-40°	1391.2	41.0
0°-60°	2578.6	75.9
0°-90°	3397.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3397.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	998	998	998	998	998	
5°	998	998	993	999	1000	95
15°	983	984	984	993	994	278
25°	950	954	962	973	978	439
35°	888	898	914	931	933	557
45°	767	781	804	826	834	592
55°	588	605	639	668	679	525
65°	398	418	464	498	507	392
75°	204	233	284	321	328	215
85°	41	64	70	70	66	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	997.6	997.6	997.6	997.6	997.6
2.5°	998.8	998.8	993.9	1000.0	1000.0
5°	997.6	997.6	992.7	998.8	1000.0
7.5°	993.9	995.2	991.5	997.6	998.8
10°	991.5	992.7	990.3	996.4	997.6
12.5°	987.9	989.1	987.9	995.2	996.4
15°	983.0	984.2	984.2	992.7	993.9
17.5°	974.5	977.0	979.4	989.1	990.3
20°	967.3	969.7	973.3	984.2	985.5
22.5°	960.0	962.4	967.3	980.6	981.8
25°	950.3	953.9	962.4	973.3	978.2
27.5°	938.2	945.5	952.7	966.1	970.9
30°	924.9	932.1	943.0	957.6	961.2
32.5°	910.3	917.6	929.7	945.5	949.1
35°	888.5	898.2	913.9	930.9	933.3
37.5°	869.1	878.8	895.8	913.9	917.6
40°	842.4	854.5	872.7	889.7	897.0
42.5°	810.9	823.0	842.4	863.0	870.3
45°	767.3	780.6	803.6	825.5	833.9
47.5°	724.8	737.0	762.4	787.9	793.9
50°	680.0	694.5	722.4	749.1	755.2
52.5°	632.7	650.9	681.2	709.1	718.8
55°	587.9	604.8	638.8	667.9	678.8
57.5°	538.2	558.8	596.4	627.9	637.6
60°	494.5	512.7	552.7	585.5	595.2
62.5°	443.6	465.5	509.1	541.8	550.3
65°	397.6	418.2	464.2	498.2	506.7
67.5°	347.9	372.1	418.2	453.3	466.7
70°	299.4	324.8	373.3	409.7	423.0
72.5°	250.9	278.8	327.3	364.8	381.8
75°	203.6	232.7	283.6	321.2	328.5
77.5°	156.4	189.1	237.6	264.2	264.2
80°	112.7	145.5	187.9	195.2	201.2
82.5°	75.2	105.5	128.5	135.8	137.0
85°	41.2	64.2	70.3	70.3	65.5
87.5°	15.8	20.6	14.5	7.3	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)