

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: P302027

Luminaire Tested: **RX-WO-20L835-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302027  
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-20L835-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
ROUND LENS  
Light Source: (84)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

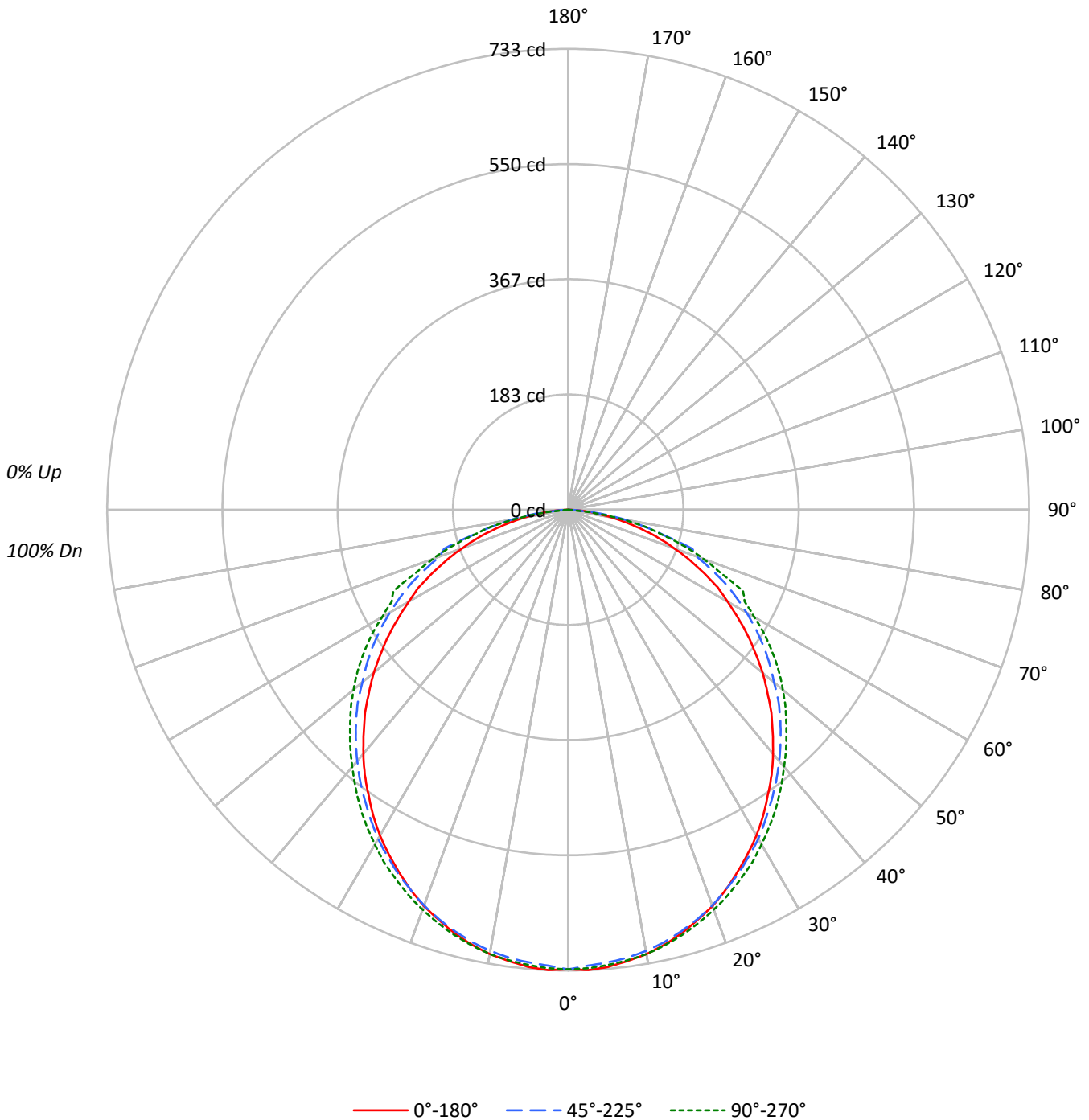
Lumens per Lamp: N/A  
Luminaire Lumens: 2078.5 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 16  
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°	1967	1967	1967
5°	1972	1952	1964
10°	1961	1947	1961
15°	1943	1934	1951
20°	1921	1918	1939
25°	1889	1898	1925
30°	1860	1879	1910
35°	1819	1852	1896
40°	1780	1834	1877
45°	1738	1816	1866
50°	1690	1788	1865
55°	1636	1780	1861
60°	1575	1762	1838
65°	1513	1747	1954
70°	1412	1709	1805
75°	1272	1653	1622
80°	1074	1423	1344
85°	787	692	253



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.0	3.3
10°-20°	196.7	9.5
20°-30°	295.8	14.2
30°-40°	353.8	17.0
40°-50°	366.8	17.6
50°-60°	336.4	16.2
60°-70°	267.6	12.9
70°-80°	159.0	7.6
80°-90°	33.3	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°	561.5	27.0
0°-40°	915.3	44.0
0°-60°	1618.5	77.9
0°-90°	2078.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2078.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	731	731	731	731	731	
5°	730	728	723	728	727	69
15°	697	696	694	700	700	197
25°	636	637	639	648	648	293
35°	554	557	564	575	577	347
45°	457	464	477	487	490	352
55°	349	361	379	395	397	311
65°	238	252	274	286	307	235
75°	122	140	159	158	156	130
85°	26	32	22	12	8	31
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	731.0	731.0	731.0	731.0	731.0
2.5°	733.0	731.0	725.9	731.0	730.0
5°	730.0	727.9	722.8	727.9	726.9
7.5°	723.9	722.8	718.8	723.9	722.8
10°	717.7	715.7	712.7	717.7	717.7
12.5°	708.6	706.5	704.5	710.6	709.6
15°	697.4	696.3	694.3	700.4	700.4
17.5°	684.1	684.1	683.1	689.2	689.2
20°	670.8	669.8	669.8	677.0	677.0
22.5°	654.5	654.5	654.5	663.7	663.7
25°	636.2	637.2	639.2	648.4	648.4
27.5°	617.8	619.9	621.9	631.1	633.1
30°	598.5	599.5	604.6	613.8	614.8
32.5°	577.1	579.1	584.2	594.4	596.4
35°	553.6	556.7	563.8	575.0	577.1
37.5°	531.2	535.3	543.4	554.6	555.6
40°	506.7	511.8	522.0	532.2	534.2
42.5°	481.2	487.3	499.6	510.8	512.8
45°	456.7	463.9	477.1	487.3	490.4
47.5°	429.2	437.4	453.7	465.9	469.0
50°	403.7	411.9	427.2	442.5	445.5
52.5°	375.2	386.4	403.7	419.0	422.1
55°	348.7	360.9	379.3	394.6	396.6
57.5°	320.1	333.4	353.8	368.0	371.1
60°	292.6	306.9	327.3	340.5	341.5
62.5°	268.1	280.4	300.8	313.0	316.1
65°	237.6	251.8	274.3	285.5	306.9
67.5°	209.0	223.3	244.7	282.4	262.0
70°	179.4	195.7	217.2	227.4	229.4
72.5°	151.9	168.2	207.0	195.7	194.7
75°	122.3	139.7	159.0	158.0	156.0
77.5°	94.8	113.2	124.4	125.4	125.4
80°	69.3	91.8	91.8	91.8	86.7
82.5°	44.9	59.1	59.1	51.0	45.9
85°	25.5	31.6	22.4	12.2	8.2
87.5°	9.2	7.1	2.0	2.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)