

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: P302064

Luminaire Tested: **ZX-WO-39L835-UNV-14-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P302064  
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-39L835-UNV-14-STD  
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.  
FLAT LENS  
Light Source: (196)3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4116.2 lumens  
Efficiency: N/A  
Efficacy: 140.5 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

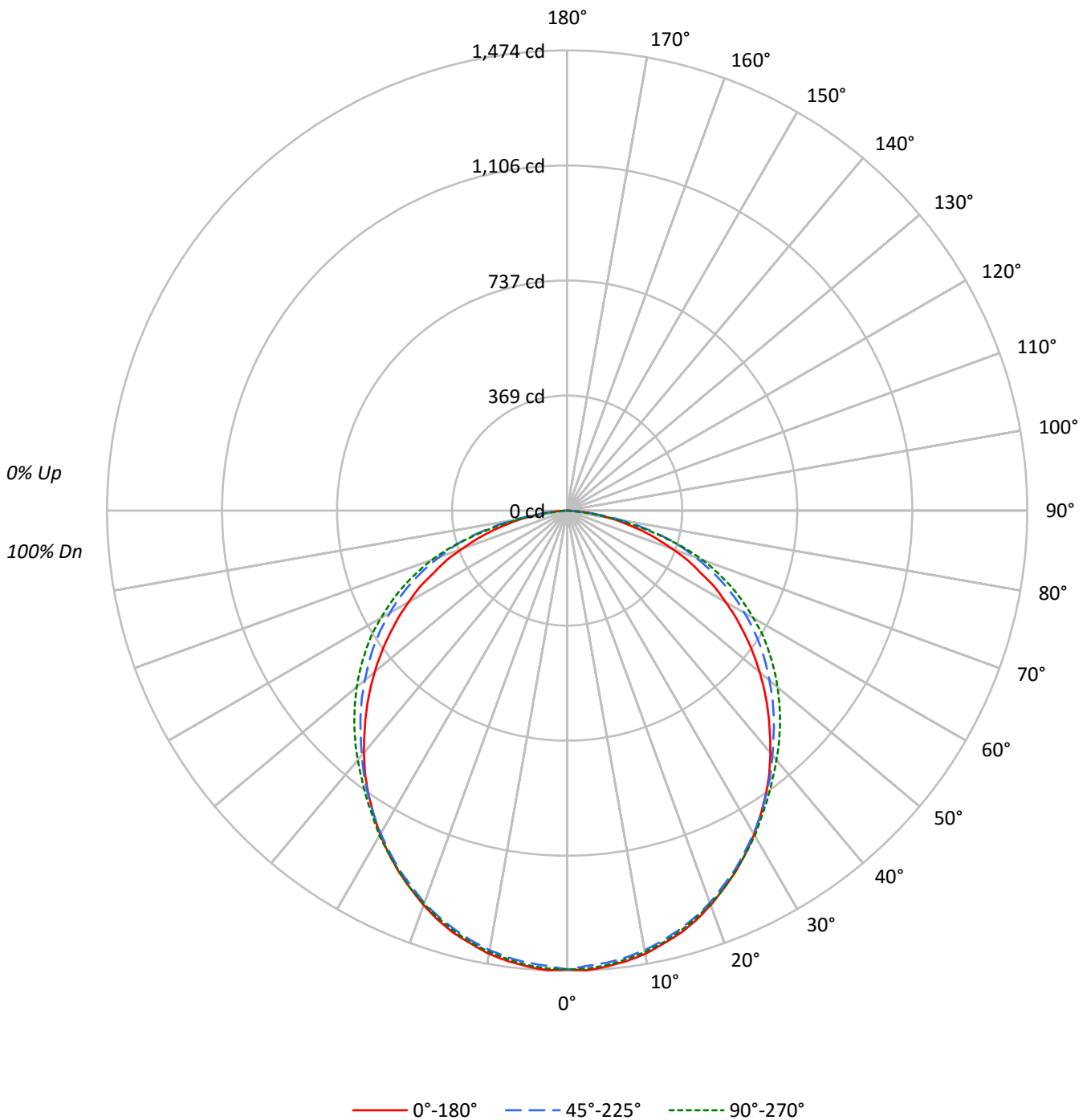
Input Watts (W): 29.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50					50			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

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

	0°	45°	90°
0°	3955	3955	3955
5°	3960	3927	3949
10°	3939	3906	3923
15°	3904	3870	3887
20°	3852	3829	3840
25°	3790	3772	3784
30°	3723	3710	3735
35°	3644	3651	3684
40°	3558	3593	3664
45°	3463	3563	3671
50°	3372	3540	3684
55°	3269	3543	3703
60°	3153	3533	3706
65°	3000	3513	3705
70°	2820	3437	3628
75°	2554	3287	3183
80°	2183	2651	2340
85°	1553	1244	374



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.6	3.4
10°-20°	393.6	9.6
20°-30°	587.1	14.3
30°-40°	697.5	16.9
40°-50°	724.0	17.6
50°-60°	669.5	16.3
60°-70°	533.3	13.0
70°-80°	312.2	7.6
80°-90°	60.6	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°	1119.3	27.2
0°-40°	1816.7	44.1
0°-60°	3210.2	78.0
0°-90°	4116.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4116.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1466	1462	1454	1462	1462	139
15°	1401	1399	1389	1399	1395	395
25°	1277	1275	1270	1277	1275	588
35°	1109	1109	1112	1120	1122	694
45°	910	920	936	958	964	702
55°	697	717	755	781	789	623
65°	471	505	552	574	582	470
75°	246	286	316	312	306	260
85°	50	60	40	20	12	63
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1469.9	1469.9	1469.9	1469.9	1469.9
2.5°	1473.9	1469.9	1459.8	1469.9	1467.8
5°	1465.8	1461.8	1453.8	1461.8	1461.8
7.5°	1455.8	1451.7	1443.7	1451.7	1449.7
10°	1441.7	1437.6	1429.6	1437.6	1435.6
12.5°	1421.5	1419.5	1411.5	1419.5	1417.5
15°	1401.4	1399.4	1389.3	1399.4	1395.4
17.5°	1375.2	1373.2	1365.2	1371.2	1369.2
20°	1345.0	1341.0	1337.0	1343.0	1341.0
22.5°	1310.8	1308.8	1302.7	1312.8	1310.8
25°	1276.6	1274.6	1270.5	1276.6	1274.6
27.5°	1238.3	1236.3	1232.3	1240.3	1238.3
30°	1198.0	1198.0	1194.0	1204.1	1202.1
32.5°	1153.7	1153.7	1153.7	1159.8	1159.8
35°	1109.4	1109.4	1111.5	1119.5	1121.5
37.5°	1063.1	1063.1	1069.2	1081.3	1081.3
40°	1012.8	1016.8	1022.9	1041.0	1043.0
42.5°	960.4	968.5	978.6	1000.7	1004.7
45°	910.1	920.2	936.3	958.4	964.5
47.5°	857.8	869.8	892.0	916.1	922.2
50°	805.4	821.5	845.7	873.9	879.9
52.5°	751.0	769.2	801.4	829.6	835.6
55°	696.7	716.8	755.1	781.2	789.3
57.5°	642.3	664.5	706.7	732.9	743.0
60°	585.9	610.1	656.4	680.6	688.6
62.5°	533.6	559.8	606.1	628.2	636.3
65°	471.2	505.4	551.7	573.8	581.9
67.5°	420.8	453.0	495.3	519.5	521.5
70°	358.4	398.7	436.9	457.1	461.1
72.5°	302.0	342.3	380.6	388.6	388.6
75°	245.6	285.9	316.1	312.1	306.1
77.5°	189.3	229.5	245.6	231.6	225.5
80°	140.9	175.2	171.1	157.1	151.0
82.5°	92.6	118.8	100.7	84.6	76.5
85°	50.3	60.4	40.3	20.1	12.1
87.5°	18.1	12.1	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)