

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: P302029

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302029
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-39L835-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4104.8 lumens
Efficiency: N/A
Efficacy: 140.1 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

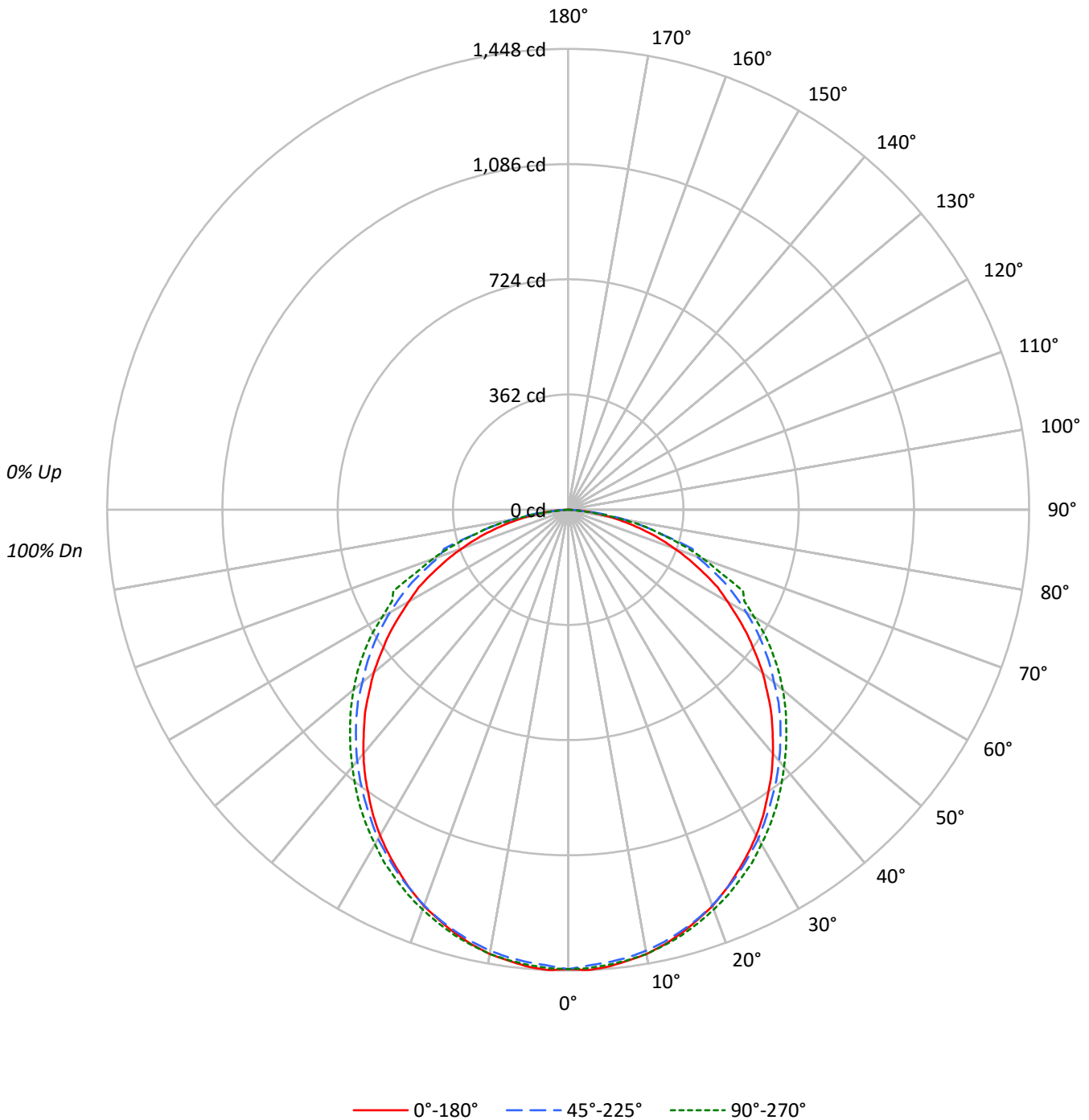
Input Watts (W): 29.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3885	3885	3885
5°	3894	3856	3878
10°	3873	3846	3873
15°	3837	3820	3854
20°	3794	3788	3829
25°	3730	3749	3802
30°	3672	3710	3773
35°	3592	3658	3744
40°	3515	3621	3706
45°	3433	3586	3686
50°	3338	3532	3684
55°	3231	3514	3675
60°	3110	3478	3630
65°	2987	3449	3859
70°	2788	3375	3564
75°	2512	3266	3203
80°	2122	2808	2651
85°	1553	1368	497



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	3.3
10°-20°	388.6	9.5
20°-30°	584.1	14.2
30°-40°	698.7	17.0
40°-50°	724.4	17.6
50°-60°	664.3	16.2
60°-70°	528.5	12.9
70°-80°	314.0	7.6
80°-90°	65.8	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°	1109.0	27.0
0°-40°	1807.8	44.0
0°-60°	3196.5	77.9
0°-90°	4104.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4104.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1444	1444	1444	1444	1444	
5°	1442	1438	1428	1438	1436	137
15°	1377	1375	1371	1383	1383	388
25°	1256	1258	1262	1281	1281	579
35°	1093	1099	1114	1136	1140	685
45°	902	916	942	962	968	695
55°	689	713	749	779	783	615
65°	469	497	542	564	606	465
75°	242	276	314	312	308	257
85°	50	62	44	24	16	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1443.7	1443.7	1443.7	1443.7	1443.7
2.5°	1447.7	1443.7	1433.6	1443.7	1441.7
5°	1441.7	1437.6	1427.6	1437.6	1435.6
7.5°	1429.6	1427.6	1419.5	1429.6	1427.6
10°	1417.5	1413.5	1407.4	1417.5	1417.5
12.5°	1399.4	1395.4	1391.3	1403.4	1401.4
15°	1377.2	1375.2	1371.2	1383.3	1383.3
17.5°	1351.1	1351.1	1349.1	1361.1	1361.1
20°	1324.9	1322.9	1322.9	1337.0	1337.0
22.5°	1292.7	1292.7	1292.7	1310.8	1310.8
25°	1256.4	1258.4	1262.5	1280.6	1280.6
27.5°	1220.2	1224.2	1228.2	1246.4	1250.4
30°	1181.9	1183.9	1194.0	1212.1	1214.1
32.5°	1139.6	1143.7	1153.7	1173.9	1177.9
35°	1093.3	1099.4	1113.5	1135.6	1139.6
37.5°	1049.0	1057.1	1073.2	1095.3	1097.4
40°	1000.7	1010.8	1030.9	1051.1	1055.1
42.5°	950.4	962.5	986.6	1008.8	1012.8
45°	902.1	916.1	942.3	962.5	968.5
47.5°	847.7	863.8	896.0	920.2	926.2
50°	797.3	813.5	843.7	873.9	879.9
52.5°	741.0	763.1	797.3	827.6	833.6
55°	688.6	712.8	749.0	779.2	783.3
57.5°	632.2	658.4	698.7	726.9	732.9
60°	577.9	606.1	646.3	672.5	674.5
62.5°	529.6	553.7	594.0	618.1	624.2
65°	469.1	497.3	541.6	563.8	606.1
67.5°	412.8	441.0	483.2	557.7	517.5
70°	354.4	386.6	428.9	449.0	453.0
72.5°	300.0	332.2	408.7	386.6	384.6
75°	241.6	275.9	314.1	312.1	308.1
77.5°	187.3	223.5	245.6	247.7	247.7
80°	136.9	181.2	181.2	181.2	171.1
82.5°	88.6	116.8	116.8	100.7	90.6
85°	50.3	62.4	44.3	24.2	16.1
87.5°	18.1	14.1	4.0	4.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)