

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: P302172

Luminaire Tested: **RX-WO-39L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-39)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-39L835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

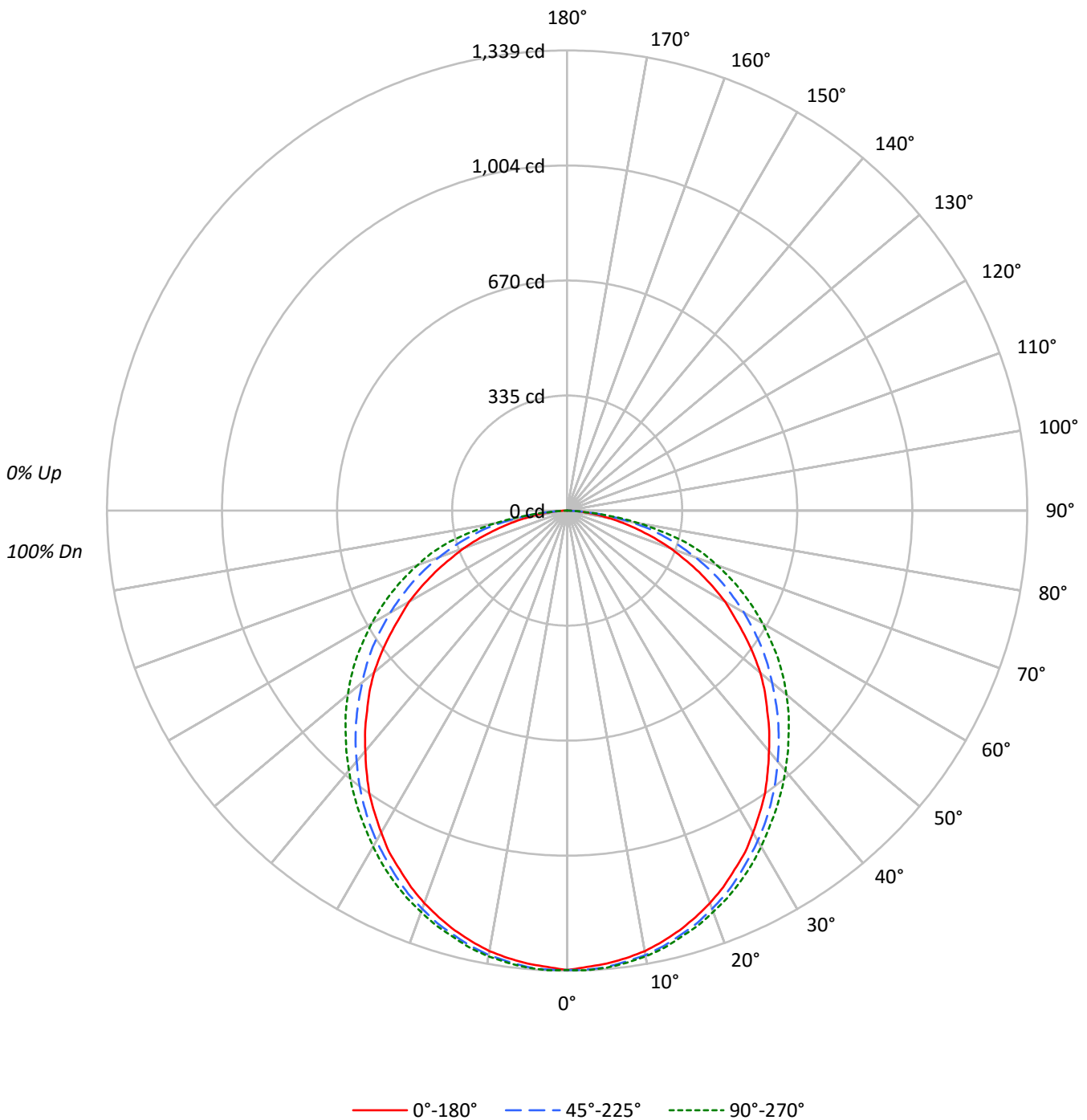
Lumens per Lamp: N/A
Luminaire Lumens: 3827.5 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3598	3598	3598
5°	3574	3601	3606
10°	3557	3589	3600
15°	3522	3561	3577
20°	3481	3531	3559
25°	3422	3492	3539
30°	3362	3448	3508
35°	3297	3400	3484
40°	3209	3347	3471
45°	3133	3305	3469
50°	3069	3258	3488
55°	2952	3237	3513
60°	2859	3197	3534
65°	2696	3170	3582
70°	2514	3116	3640
75°	2222	3057	3710
80°	1853	2856	3312
85°	1392	1936	1754



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.3
10°-20°	360.2	9.4
20°-30°	541.2	14.1
30°-40°	646.6	16.9
40°-50°	670.5	17.5
50°-60°	615.8	16.1
60°-70°	489.1	12.8
70°-80°	303.6	7.9
80°-90°	74.2	1.9
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°	1027.7	26.9
0°-40°	1674.4	43.7
0°-60°	2960.6	77.4
0°-90°	3827.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3827.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1337	1337	1337	1337	1337	
5°	1323	1327	1333	1335	1335	126
15°	1264	1268	1278	1284	1284	356
25°	1153	1160	1176	1190	1192	532
35°	1004	1014	1035	1055	1060	627
45°	823	835	868	902	912	636
55°	629	645	690	733	749	563
65°	423	443	498	545	563	419
75°	214	241	294	339	357	228
85°	45	55	63	61	57	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1336.9	1336.9	1336.9	1336.9	1336.9
2.5°	1329.1	1331.0	1336.9	1340.8	1338.9
5°	1323.2	1327.1	1333.0	1334.9	1334.9
7.5°	1313.4	1317.3	1323.2	1327.1	1327.1
10°	1301.6	1305.5	1313.4	1317.3	1317.3
12.5°	1284.0	1287.9	1297.7	1301.6	1303.6
15°	1264.4	1268.3	1278.1	1284.0	1284.0
17.5°	1240.9	1246.7	1258.5	1264.4	1266.3
20°	1215.4	1221.3	1233.0	1240.9	1242.8
22.5°	1186.0	1191.8	1207.5	1217.3	1219.3
25°	1152.6	1160.5	1176.2	1189.9	1191.8
27.5°	1121.3	1127.2	1142.8	1156.6	1162.4
30°	1082.1	1091.9	1109.5	1125.2	1129.1
32.5°	1042.9	1054.6	1074.2	1091.9	1093.8
35°	1003.7	1013.5	1035.0	1054.6	1060.5
37.5°	958.6	968.4	995.8	1017.4	1025.2
40°	913.5	927.2	952.7	978.2	988.0
42.5°	870.4	884.1	911.5	940.9	950.7
45°	823.3	835.1	868.4	901.7	911.5
47.5°	780.2	790.0	823.3	862.5	874.3
50°	733.1	741.0	778.2	821.4	833.1
52.5°	682.2	693.9	735.1	778.2	792.0
55°	629.2	644.9	690.0	733.1	748.8
57.5°	576.3	594.0	641.0	688.1	701.8
60°	531.2	543.0	594.0	641.0	656.7
62.5°	476.3	494.0	545.0	594.0	609.6
65°	423.4	443.0	497.9	545.0	562.6
67.5°	368.5	392.1	448.9	494.0	513.6
70°	319.5	343.0	396.0	443.0	462.6
72.5°	266.6	292.1	345.0	394.0	415.6
75°	213.7	241.1	294.0	339.1	356.8
77.5°	166.6	194.1	243.1	274.4	282.3
80°	119.6	143.1	184.3	205.8	213.7
82.5°	80.4	98.0	125.5	133.3	137.2
85°	45.1	54.9	62.7	60.8	56.8
87.5°	19.6	15.7	13.7	5.9	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)