

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: P302191

Luminaire Tested: **RX-WO-44L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302191
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-44L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

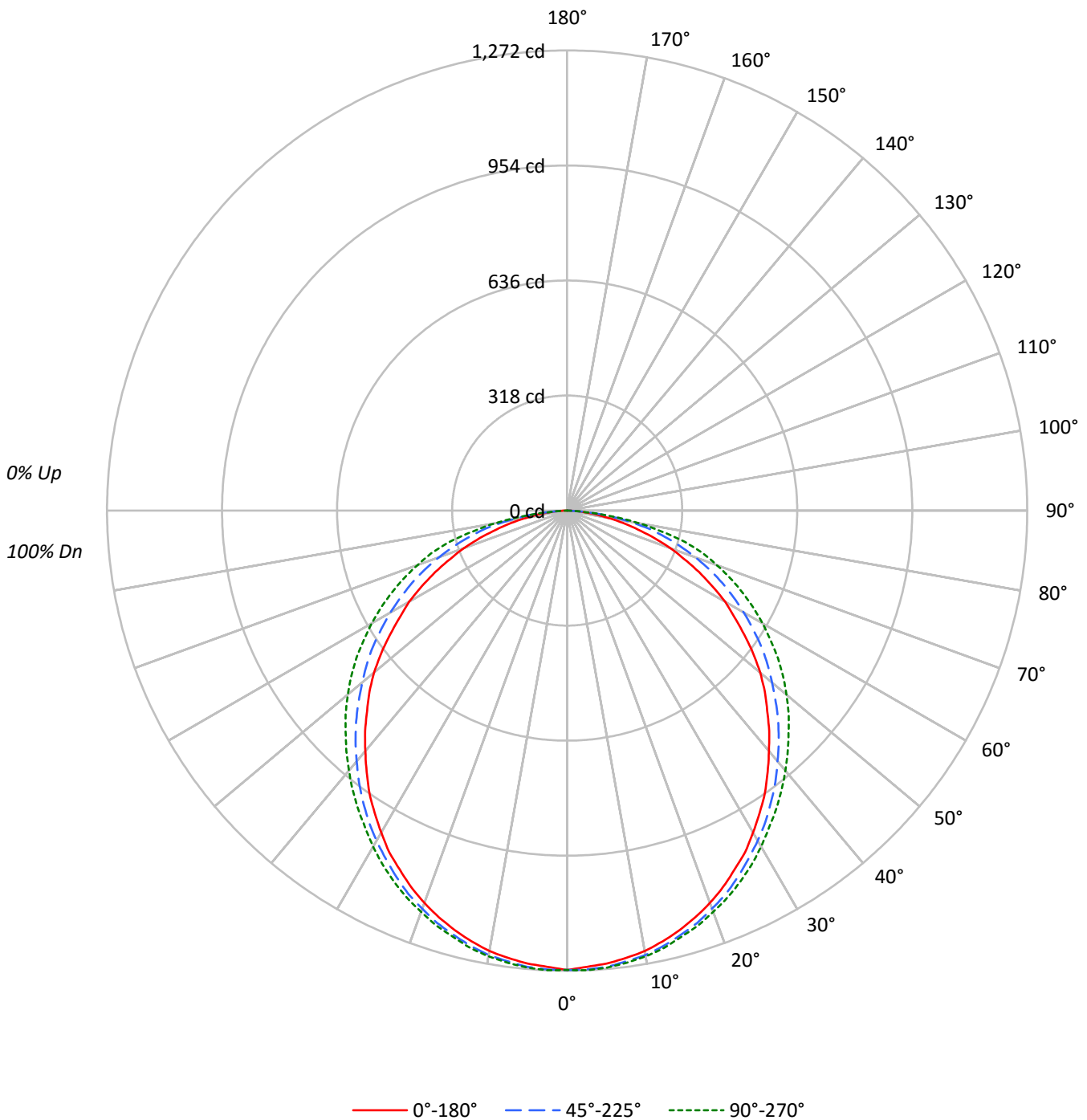
Lumens per Lamp: N/A
Luminaire Lumens: 3635.4 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): 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°	3417	3417	3417
5°	3395	3420	3425
10°	3378	3409	3419
15°	3346	3382	3398
20°	3306	3354	3381
25°	3251	3317	3361
30°	3194	3274	3333
35°	3132	3230	3309
40°	3048	3179	3296
45°	2976	3139	3295
50°	2915	3095	3313
55°	2804	3075	3337
60°	2716	3037	3357
65°	2561	3011	3403
70°	2388	2959	3457
75°	2110	2904	3524
80°	1760	2712	3144
85°	1321	1840	1667



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	3.3
10°-20°	342.1	9.4
20°-30°	514.0	14.1
30°-40°	614.2	16.9
40°-50°	636.8	17.5
50°-60°	584.9	16.1
60°-70°	464.5	12.8
70°-80°	288.3	7.9
80°-90°	70.5	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°	976.1	26.9
0°-40°	1590.3	43.7
0°-60°	2812.1	77.4
0°-90°	3635.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3635.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1270	1270	1270	1270	1270	
5°	1257	1260	1266	1268	1268	119
15°	1201	1205	1214	1220	1220	339
25°	1095	1102	1117	1130	1132	505
35°	953	963	983	1002	1007	595
45°	782	793	825	856	866	605
55°	598	613	655	696	711	535
65°	402	421	473	518	534	398
75°	203	229	279	322	339	217
85°	43	52	60	58	54	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1269.8	1269.8	1269.8	1269.8	1269.8
2.5°	1262.4	1264.2	1269.8	1273.5	1271.7
5°	1256.8	1260.5	1266.1	1268.0	1268.0
7.5°	1247.5	1251.2	1256.8	1260.5	1260.5
10°	1236.3	1240.0	1247.5	1251.2	1251.2
12.5°	1219.6	1223.3	1232.6	1236.3	1238.2
15°	1200.9	1204.7	1214.0	1219.6	1219.6
17.5°	1178.6	1184.2	1195.3	1200.9	1202.8
20°	1154.4	1160.0	1171.1	1178.6	1180.5
22.5°	1126.5	1132.0	1146.9	1156.2	1158.1
25°	1094.8	1102.3	1117.1	1130.2	1132.0
27.5°	1065.0	1070.6	1085.5	1098.5	1104.1
30°	1027.8	1037.1	1053.8	1068.7	1072.5
32.5°	990.5	1001.7	1020.3	1037.1	1038.9
35°	953.3	962.6	983.1	1001.7	1007.3
37.5°	910.5	919.8	945.9	966.3	973.8
40°	867.7	880.7	904.9	929.1	938.4
42.5°	826.7	839.7	865.8	893.7	903.0
45°	782.0	793.2	824.8	856.5	865.8
47.5°	741.0	750.4	782.0	819.2	830.4
50°	696.4	703.8	739.2	780.1	791.3
52.5°	647.9	659.1	698.2	739.2	752.2
55°	597.7	612.6	655.4	696.4	711.3
57.5°	547.4	564.2	608.8	653.5	666.6
60°	504.6	515.7	564.2	608.8	623.7
62.5°	452.4	469.2	517.6	564.2	579.1
65°	402.2	420.8	472.9	517.6	534.4
67.5°	350.0	372.4	426.4	469.2	487.8
70°	303.5	325.8	376.1	420.8	439.4
72.5°	253.2	277.4	327.7	374.2	394.7
75°	202.9	229.0	279.3	322.1	338.9
77.5°	158.3	184.3	230.9	260.7	268.1
80°	113.6	135.9	175.0	195.5	202.9
82.5°	76.3	93.1	119.2	126.6	130.3
85°	42.8	52.1	59.6	57.7	54.0
87.5°	18.6	14.9	13.0	5.6	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)