

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: P302101

Luminaire Tested: **RX-WO-39H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-39H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

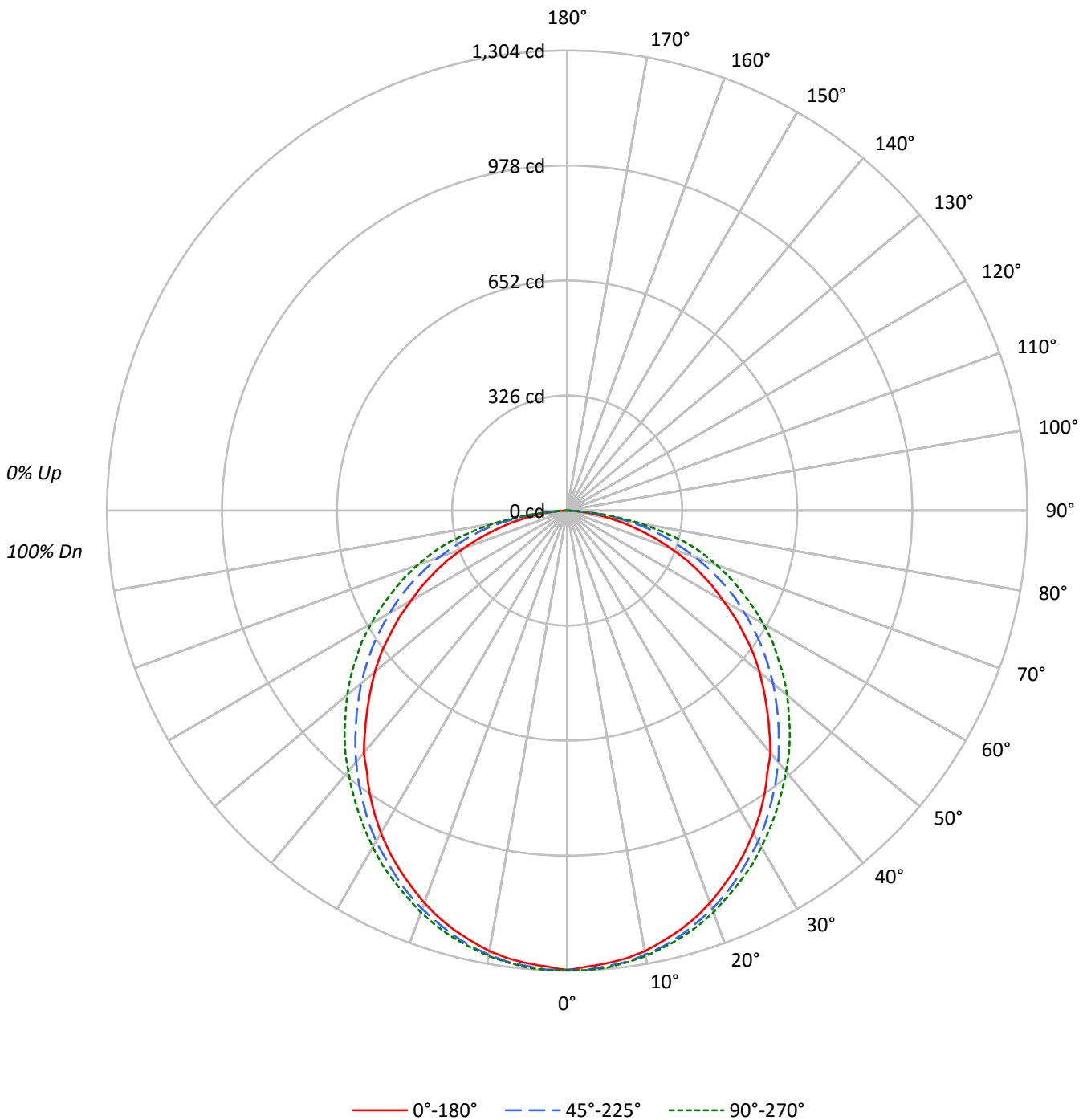
Lumens per Lamp: N/A
Luminaire Lumens: 3732.1 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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	45	57	50	45	55	49	44	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	52	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°	3504	3504	3504
5°	3479	3501	3512
10°	3464	3492	3503
15°	3431	3470	3487
20°	3389	3441	3470
25°	3335	3400	3442
30°	3278	3365	3421
35°	3208	3313	3399
40°	3148	3268	3388
45°	3051	3219	3395
50°	2978	3188	3406
55°	2875	3158	3422
60°	2746	3125	3449
65°	2635	3096	3480
70°	2450	3035	3541
75°	2173	2966	3614
80°	1836	2771	3270
85°	1303	1924	1862



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.3
10°-20°	350.8	9.4
20°-30°	527.1	14.1
30°-40°	630.6	16.9
40°-50°	653.9	17.5
50°-60°	601.4	16.1
60°-70°	477.3	12.8
70°-80°	294.8	7.9
80°-90°	73.3	2.0
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°	1000.9	26.8
0°-40°	1631.5	43.7
0°-60°	2886.7	77.3
0°-90°	3732.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3732.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1288	1292	1296	1300	1300	122
15°	1232	1236	1246	1252	1252	347
25°	1123	1131	1145	1157	1159	517
35°	976	986	1009	1029	1035	611
45°	802	816	846	880	892	619
55°	613	629	673	719	729	549
65°	414	432	486	532	546	409
75°	209	237	285	330	348	223
85°	42	54	62	62	60	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1302.0	1302.0	1302.0	1302.0	1302.0
2.5°	1293.9	1295.9	1302.0	1304.0	1304.0
5°	1287.9	1291.9	1295.9	1300.0	1300.0
7.5°	1279.9	1283.9	1289.9	1291.9	1291.9
10°	1267.8	1271.8	1277.9	1281.9	1281.9
12.5°	1249.7	1255.8	1263.8	1267.8	1267.8
15°	1231.6	1235.7	1245.7	1251.7	1251.7
17.5°	1209.5	1213.6	1223.6	1231.6	1233.7
20°	1183.4	1187.4	1201.5	1209.5	1211.6
22.5°	1153.3	1159.3	1175.4	1183.4	1185.4
25°	1123.1	1131.2	1145.2	1157.3	1159.3
27.5°	1091.0	1099.0	1113.1	1129.2	1133.2
30°	1054.8	1062.9	1083.0	1097.0	1101.0
32.5°	1016.7	1026.7	1046.8	1064.9	1068.9
35°	976.5	986.5	1008.6	1028.7	1034.7
37.5°	932.3	946.3	970.4	992.5	1000.6
40°	896.1	904.1	930.3	956.4	964.4
42.5°	847.9	859.9	888.1	918.2	930.3
45°	801.7	815.7	845.9	880.0	892.1
47.5°	755.5	769.5	803.7	839.8	851.9
50°	711.3	723.3	761.5	801.7	813.7
52.5°	665.0	677.1	717.3	761.5	773.5
55°	612.8	628.9	673.1	719.3	729.3
57.5°	564.6	580.7	626.9	671.1	689.2
60°	510.3	530.4	580.7	624.9	640.9
62.5°	464.1	480.2	536.5	580.7	594.7
65°	413.9	432.0	486.2	532.4	546.5
67.5°	365.7	383.8	436.0	482.2	500.3
70°	311.4	331.5	385.8	432.0	450.1
72.5°	261.2	285.3	333.5	381.7	401.8
75°	209.0	237.1	285.3	329.5	347.6
77.5°	162.7	186.9	233.1	263.2	273.3
80°	118.5	142.7	178.8	198.9	211.0
82.5°	80.4	94.4	122.6	136.6	136.6
85°	42.2	54.2	62.3	62.3	60.3
87.5°	14.1	16.1	12.1	6.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)