

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: P302171

Luminaire Tested: **RX-WO-34L835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302171
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-34L835-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

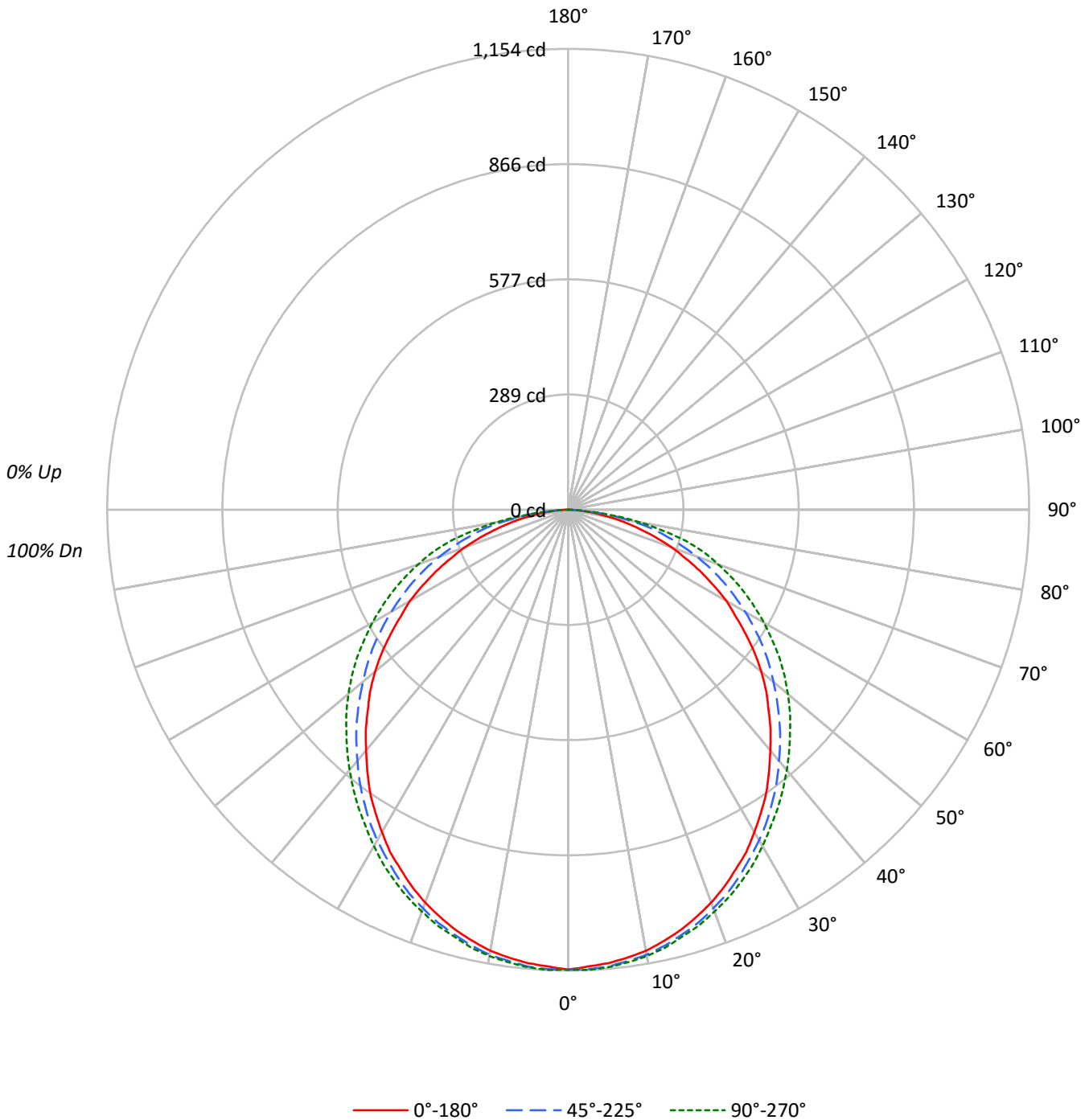
Lumens per Lamp: N/A
Luminaire Lumens: 3297.4 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 25.8
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°	3099	3099	3099
5°	3079	3102	3107
10°	3064	3092	3101
15°	3035	3068	3082
20°	2999	3042	3066
25°	2948	3009	3049
30°	2897	2970	3023
35°	2841	2929	3002
40°	2765	2883	2990
45°	2699	2847	2989
50°	2644	2807	3005
55°	2543	2789	3027
60°	2463	2754	3045
65°	2323	2732	3086
70°	2166	2684	3136
75°	1914	2634	3196
80°	1596	2459	2853
85°	1198	1667	1513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	3.3
10°-20°	310.3	9.4
20°-30°	466.2	14.1
30°-40°	557.1	16.9
40°-50°	577.6	17.5
50°-60°	530.5	16.1
60°-70°	421.3	12.8
70°-80°	261.5	7.9
80°-90°	63.9	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°	885.4	26.9
0°-40°	1442.5	43.7
0°-60°	2550.6	77.4
0°-90°	3297.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3297.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1152	1152	1152	1152	1152	
5°	1140	1143	1148	1150	1150	108
15°	1089	1093	1101	1106	1106	307
25°	993	1000	1013	1025	1027	458
35°	865	873	892	909	914	540
45°	709	719	748	777	785	548
55°	542	556	594	632	645	485
65°	365	382	429	470	485	361
75°	184	208	253	292	307	197
85°	39	47	54	52	49	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1151.8	1151.8	1151.8	1151.8	1151.8
2.5°	1145.0	1146.7	1151.8	1155.2	1153.5
5°	1140.0	1143.3	1148.4	1150.1	1150.1
7.5°	1131.5	1134.9	1140.0	1143.3	1143.3
10°	1121.4	1124.8	1131.5	1134.9	1134.9
12.5°	1106.2	1109.6	1118.0	1121.4	1123.1
15°	1089.3	1092.7	1101.1	1106.2	1106.2
17.5°	1069.0	1074.1	1084.2	1089.3	1091.0
20°	1047.1	1052.1	1062.3	1069.0	1070.7
22.5°	1021.7	1026.8	1040.3	1048.8	1050.4
25°	993.0	999.8	1013.3	1025.1	1026.8
27.5°	966.0	971.1	984.6	996.4	1001.5
30°	932.2	940.7	955.9	969.4	972.8
32.5°	898.5	908.6	925.5	940.7	942.4
35°	864.7	873.1	891.7	908.6	913.7
37.5°	825.8	834.3	857.9	876.5	883.3
40°	787.0	798.8	820.8	842.7	851.2
42.5°	749.8	761.7	785.3	810.6	819.1
45°	709.3	719.4	748.1	776.9	785.3
47.5°	672.1	680.6	709.3	743.1	753.2
50°	631.6	638.4	670.5	707.6	717.7
52.5°	587.7	597.8	633.3	670.5	682.3
55°	542.1	555.6	594.5	631.6	645.1
57.5°	496.5	511.7	552.2	592.8	604.6
60°	457.7	467.8	511.7	552.2	565.8
62.5°	410.4	425.6	469.5	511.7	525.2
65°	364.8	381.7	429.0	469.5	484.7
67.5°	317.5	337.8	386.7	425.6	442.5
70°	275.3	295.5	341.1	381.7	398.6
72.5°	229.7	251.6	297.2	339.5	358.0
75°	184.1	207.7	253.3	292.2	307.4
77.5°	143.5	167.2	209.4	236.4	243.2
80°	103.0	123.3	158.7	177.3	184.1
82.5°	69.2	84.4	108.1	114.8	118.2
85°	38.8	47.3	54.0	52.4	49.0
87.5°	16.9	13.5	11.8	5.1	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)