

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: P302041

Luminaire Tested: **RX-WO-39L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302041
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-39L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
ROUND LENS
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

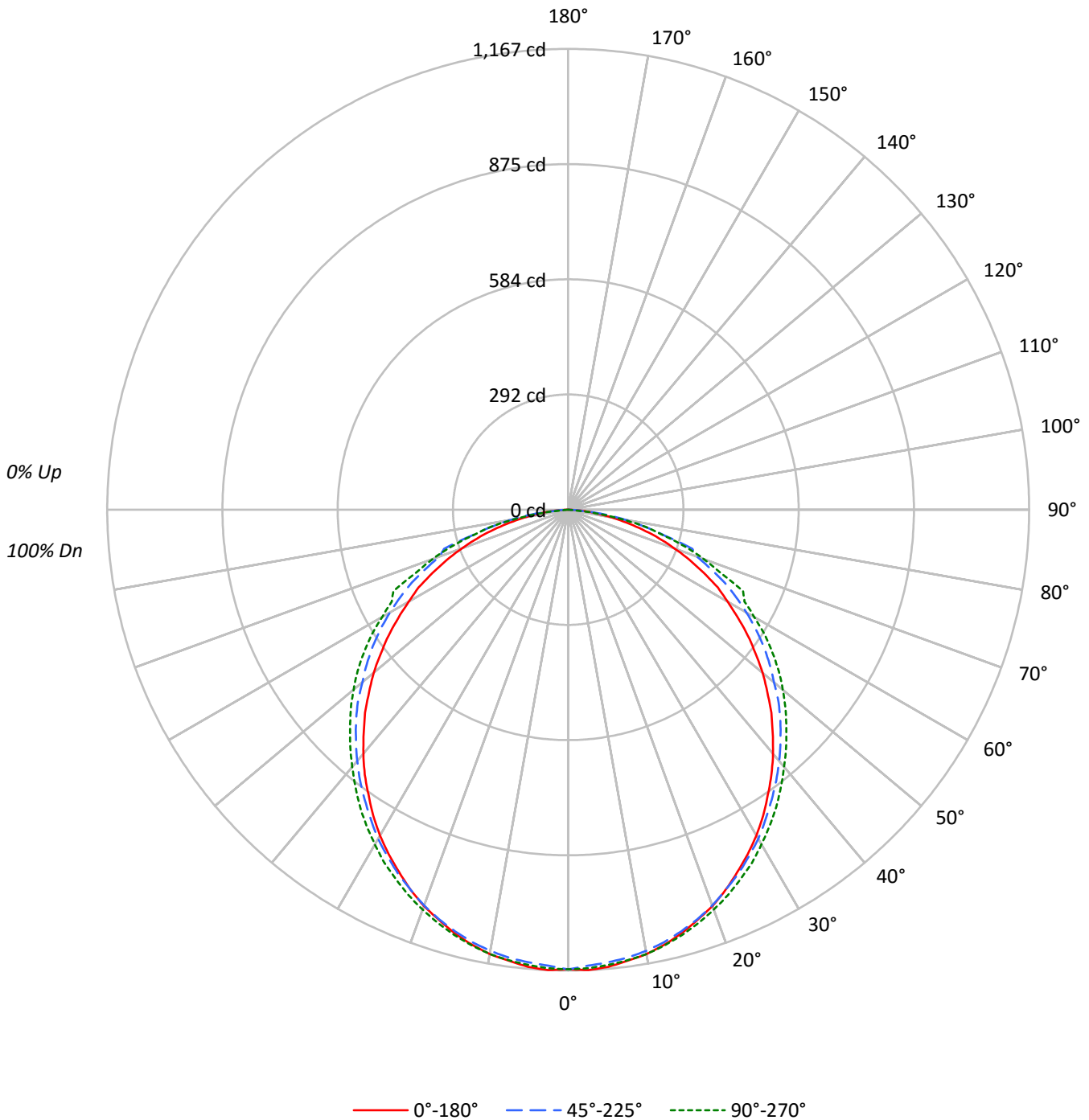
Lumens per Lamp: N/A
Luminaire Lumens: 3308.9 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.25 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	3132	3132	3132
5°	3139	3109	3126
10°	3122	3100	3122
15°	3093	3079	3107
20°	3058	3054	3086
25°	3007	3022	3065
30°	2961	2991	3041
35°	2895	2949	3018
40°	2834	2919	2988
45°	2767	2891	2971
50°	2691	2847	2969
55°	2604	2833	2962
60°	2507	2804	2926
65°	2408	2780	3111
70°	2248	2720	2873
75°	2025	2633	2582
80°	1711	2264	2139
85°	1254	1102	401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	3.3
10°-20°	313.2	9.5
20°-30°	470.9	14.2
30°-40°	563.2	17.0
40°-50°	584.0	17.6
50°-60°	535.5	16.2
60°-70°	426.0	12.9
70°-80°	253.1	7.6
80°-90°	53.1	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°	894.0	27.0
0°-40°	1457.2	44.0
0°-60°	2576.8	77.9
0°-90°	3308.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3308.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1162	1159	1151	1159	1157	110
15°	1110	1109	1105	1115	1115	313
25°	1013	1014	1018	1032	1032	467
35°	881	886	898	915	919	552
45°	727	738	760	776	781	560
55°	555	575	604	628	631	496
65°	378	401	437	454	489	374
75°	195	222	253	252	248	207
85°	41	50	36	20	13	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1163.8	1163.8	1163.8	1163.8	1163.8
2.5°	1167.0	1163.8	1155.7	1163.8	1162.1
5°	1162.1	1158.9	1150.8	1158.9	1157.3
7.5°	1152.4	1150.8	1144.3	1152.4	1150.8
10°	1142.7	1139.4	1134.6	1142.7	1142.7
12.5°	1128.1	1124.8	1121.6	1131.3	1129.7
15°	1110.2	1108.6	1105.3	1115.1	1115.1
17.5°	1089.1	1089.1	1087.5	1097.2	1097.2
20°	1068.0	1066.4	1066.4	1077.7	1077.7
22.5°	1042.0	1042.0	1042.0	1056.6	1056.6
25°	1012.8	1014.4	1017.7	1032.3	1032.3
27.5°	983.6	986.8	990.1	1004.7	1007.9
30°	952.8	954.4	962.5	977.1	978.7
32.5°	918.7	921.9	930.0	946.3	949.5
35°	881.3	886.2	897.6	915.4	918.7
37.5°	845.6	852.1	865.1	883.0	884.6
40°	806.7	814.8	831.0	847.3	850.5
42.5°	766.1	775.8	795.3	813.2	816.4
45°	727.2	738.5	759.6	775.8	780.7
47.5°	683.3	696.3	722.3	741.8	746.6
50°	642.8	655.7	680.1	704.4	709.3
52.5°	597.3	615.2	642.8	667.1	672.0
55°	555.1	574.6	603.8	628.1	631.4
57.5°	509.7	530.8	563.2	585.9	590.8
60°	465.8	488.6	521.0	542.1	543.7
62.5°	426.9	446.4	478.8	498.3	503.2
65°	378.2	400.9	436.6	454.5	488.6
67.5°	332.7	355.5	389.5	449.6	417.1
70°	285.7	311.6	345.7	362.0	365.2
72.5°	241.8	267.8	329.5	311.6	310.0
75°	194.8	222.4	253.2	251.6	248.3
77.5°	150.9	180.2	198.0	199.6	199.6
80°	110.4	146.1	146.1	146.1	138.0
82.5°	71.4	94.1	94.1	81.2	73.0
85°	40.6	50.3	35.7	19.5	13.0
87.5°	14.6	11.4	3.2	3.2	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)