

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: P302082

Luminaire Tested: **ZX-WO-39L935-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-39L935-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3441.9 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

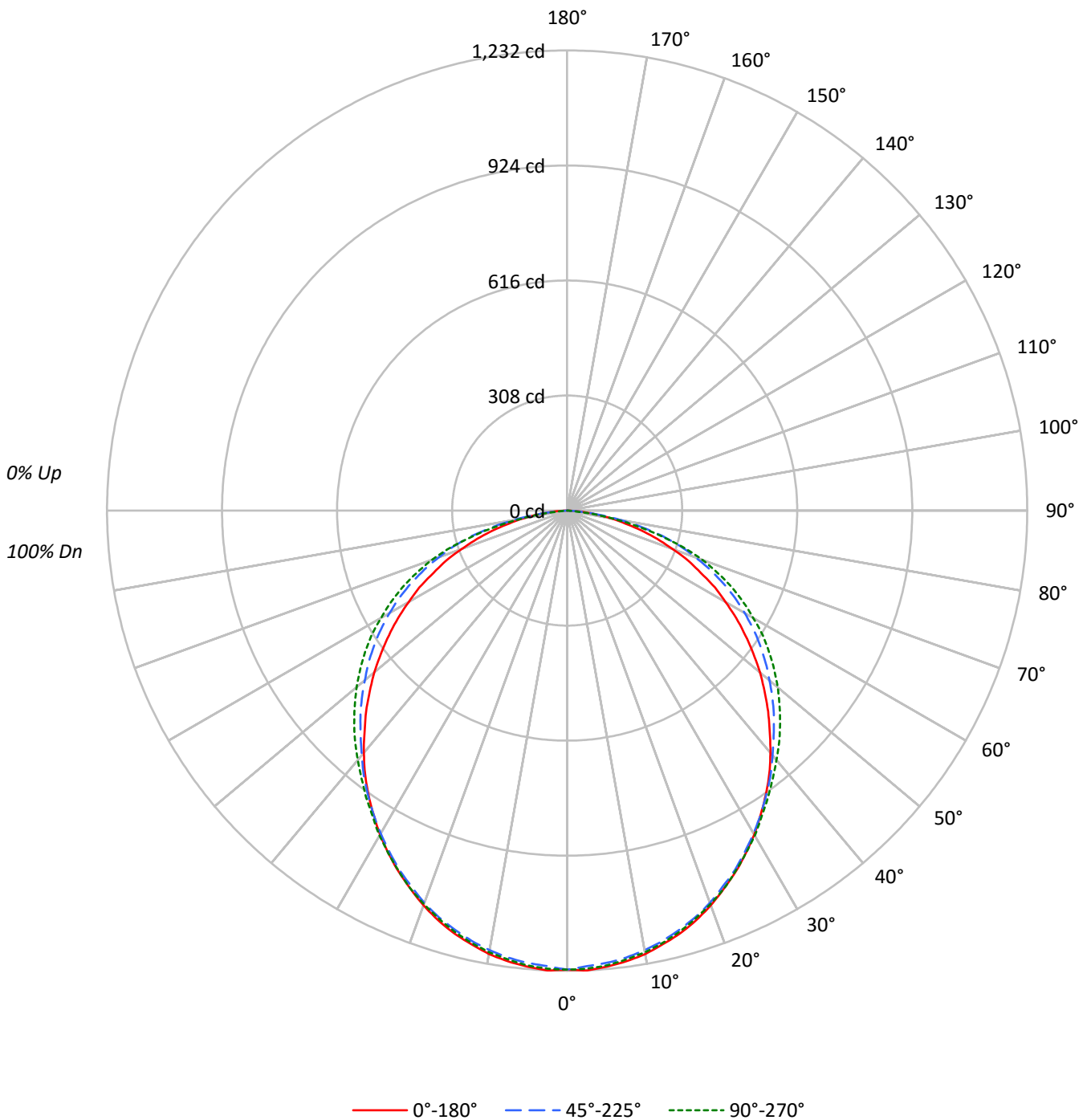
Input Watts (W): 29.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	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°	3307	3307	3307
5°	3311	3284	3302
10°	3294	3266	3280
15°	3265	3236	3251
20°	3221	3201	3211
25°	3169	3154	3165
30°	3113	3102	3123
35°	3048	3053	3081
40°	2975	3005	3064
45°	2896	2979	3069
50°	2820	2960	3080
55°	2733	2962	3096
60°	2637	2954	3099
65°	2509	2937	3098
70°	2358	2875	3034
75°	2136	2748	2661
80°	1827	2218	1957
85°	1300	1041	312



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	3.4
10°-20°	329.1	9.6
20°-30°	490.9	14.3
30°-40°	583.2	16.9
40°-50°	605.4	17.6
50°-60°	559.8	16.3
60°-70°	445.9	13.0
70°-80°	261.0	7.6
80°-90°	50.6	1.5
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°	935.9	27.2
0°-40°	1519.1	44.1
0°-60°	2684.3	78.0
0°-90°	3441.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3441.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1229	1229	1229	1229	1229	
5°	1226	1222	1216	1222	1222	116
15°	1172	1170	1162	1170	1167	330
25°	1067	1066	1062	1067	1066	492
35°	928	928	929	936	938	580
45°	761	769	783	801	806	587
55°	582	599	631	653	660	521
65°	394	423	461	480	487	393
75°	205	239	264	261	256	217
85°	42	50	34	17	10	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.1	1229.1	1229.1	1229.1	1229.1
2.5°	1232.4	1229.1	1220.7	1229.1	1227.4
5°	1225.7	1222.3	1215.6	1222.3	1222.3
7.5°	1217.3	1213.9	1207.2	1213.9	1212.2
10°	1205.5	1202.1	1195.4	1202.1	1200.4
12.5°	1188.7	1187.0	1180.2	1187.0	1185.3
15°	1171.8	1170.1	1161.7	1170.1	1166.8
17.5°	1149.9	1148.3	1141.5	1146.6	1144.9
20°	1124.7	1121.3	1117.9	1123.0	1121.3
22.5°	1096.1	1094.4	1089.3	1097.7	1096.1
25°	1067.4	1065.8	1062.4	1067.4	1065.8
27.5°	1035.4	1033.8	1030.4	1037.1	1035.4
30°	1001.8	1001.8	998.4	1006.8	1005.1
32.5°	964.7	964.7	964.7	969.8	969.8
35°	927.7	927.7	929.4	936.1	937.8
37.5°	889.0	889.0	894.0	904.1	904.1
40°	846.9	850.2	855.3	870.4	872.1
42.5°	803.1	809.8	818.3	836.8	840.1
45°	761.0	769.4	782.9	801.4	806.5
47.5°	717.2	727.3	745.9	766.1	771.1
50°	673.5	686.9	707.1	730.7	735.8
52.5°	628.0	643.2	670.1	693.7	698.7
55°	582.5	599.4	631.4	653.3	660.0
57.5°	537.1	555.6	591.0	612.9	621.3
60°	489.9	510.1	548.9	569.1	575.8
62.5°	446.2	468.1	506.8	525.3	532.0
65°	394.0	422.6	461.3	479.8	486.6
67.5°	351.9	378.8	414.2	434.4	436.1
70°	299.7	333.4	365.4	382.2	385.6
72.5°	252.5	286.2	318.2	324.9	324.9
75°	205.4	239.1	264.3	261.0	255.9
77.5°	158.3	191.9	205.4	193.6	188.6
80°	117.9	146.5	143.1	131.3	126.3
82.5°	77.4	99.3	84.2	70.7	64.0
85°	42.1	50.5	33.7	16.8	10.1
87.5°	15.2	10.1	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)