

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: P302088

Luminaire Tested: **ZX-WO-39L940-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302088
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-39L940-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (196)4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3510.3 lumens
Efficiency: N/A
Efficacy: 119.8 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

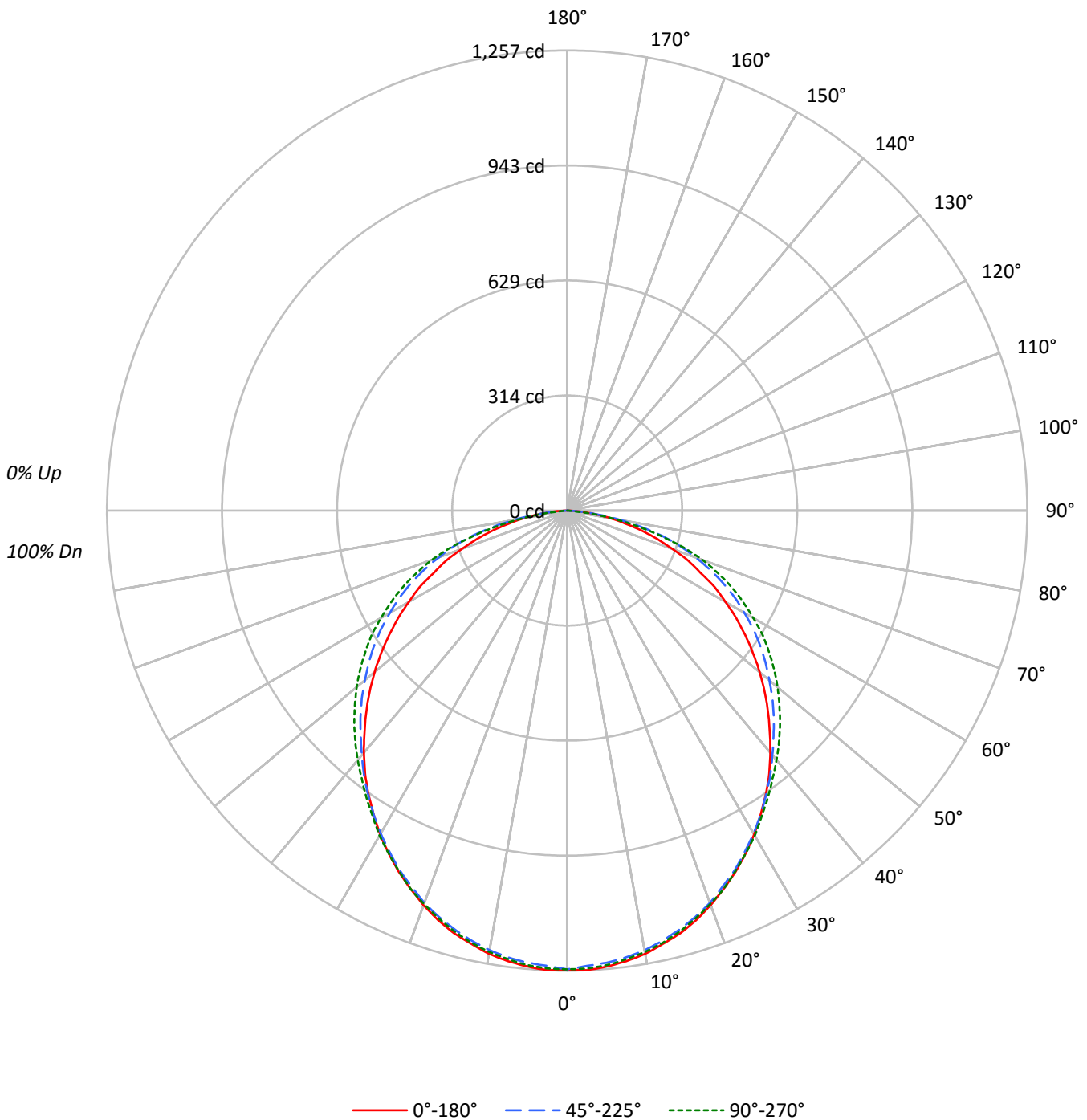
Input Watts (W): 29.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3373	3373	3373
5°	3377	3349	3367
10°	3360	3331	3345
15°	3329	3301	3315
20°	3285	3265	3275
25°	3233	3217	3227
30°	3175	3164	3185
35°	3108	3114	3142
40°	3034	3064	3125
45°	2954	3039	3130
50°	2876	3019	3141
55°	2787	3021	3158
60°	2689	3013	3161
65°	2558	2996	3160
70°	2404	2932	3094
75°	2178	2803	2714
80°	1863	2263	1996
85°	1325	1059	318



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.4
10°-20°	335.6	9.6
20°-30°	500.6	14.3
30°-40°	594.8	16.9
40°-50°	617.4	17.6
50°-60°	570.9	16.3
60°-70°	454.8	13.0
70°-80°	266.2	7.6
80°-90°	51.6	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°	954.5	27.2
0°-40°	1549.3	44.1
0°-60°	2737.7	78.0
0°-90°	3510.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3510.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1250	1247	1240	1247	1247	119
15°	1195	1193	1185	1193	1190	337
25°	1089	1087	1084	1089	1087	501
35°	946	946	948	955	956	592
45°	776	785	798	817	822	599
55°	594	611	644	666	673	531
65°	402	431	470	489	496	400
75°	210	244	270	266	261	222
85°	43	52	34	17	10	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1253.5	1253.5	1253.5	1253.5	1253.5
2.5°	1256.9	1253.5	1244.9	1253.5	1251.8
5°	1250.1	1246.6	1239.8	1246.6	1246.6
7.5°	1241.5	1238.0	1231.2	1238.0	1236.3
10°	1229.5	1226.0	1219.2	1226.0	1224.3
12.5°	1212.3	1210.6	1203.7	1210.6	1208.9
15°	1195.1	1193.4	1184.8	1193.4	1190.0
17.5°	1172.8	1171.1	1164.2	1169.4	1167.6
20°	1147.0	1143.6	1140.2	1145.3	1143.6
22.5°	1117.9	1116.1	1111.0	1119.6	1117.9
25°	1088.7	1086.9	1083.5	1088.7	1086.9
27.5°	1056.0	1054.3	1050.9	1057.8	1056.0
30°	1021.7	1021.7	1018.3	1026.8	1025.1
32.5°	983.9	983.9	983.9	989.1	989.1
35°	946.1	946.1	947.9	954.7	956.4
37.5°	906.6	906.6	911.8	922.1	922.1
40°	863.7	867.1	872.3	887.8	889.5
42.5°	819.1	825.9	834.5	853.4	856.8
45°	776.1	784.7	798.5	817.4	822.5
47.5°	731.5	741.8	760.7	781.3	786.4
50°	686.9	700.6	721.2	745.2	750.4
52.5°	640.5	655.9	683.4	707.5	712.6
55°	594.1	611.3	643.9	666.2	673.1
57.5°	547.8	566.7	602.7	625.0	633.6
60°	499.7	520.3	559.8	580.4	587.3
62.5°	455.0	477.4	516.9	535.7	542.6
65°	401.8	431.0	470.5	489.4	496.3
67.5°	358.9	386.4	422.4	443.0	444.7
70°	305.6	340.0	372.6	389.8	393.2
72.5°	257.6	291.9	324.5	331.4	331.4
75°	209.5	243.8	269.6	266.2	261.0
77.5°	161.4	195.8	209.5	197.5	192.3
80°	120.2	149.4	146.0	133.9	128.8
82.5°	79.0	101.3	85.9	72.1	65.3
85°	42.9	51.5	34.3	17.2	10.3
87.5°	15.5	10.3	1.7	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)