

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: P302083

Luminaire Tested: **ZX-WO-44L935-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302083
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-44L935-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (112)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3916.0 lumens
Efficiency: N/A
Efficacy: 102.2 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

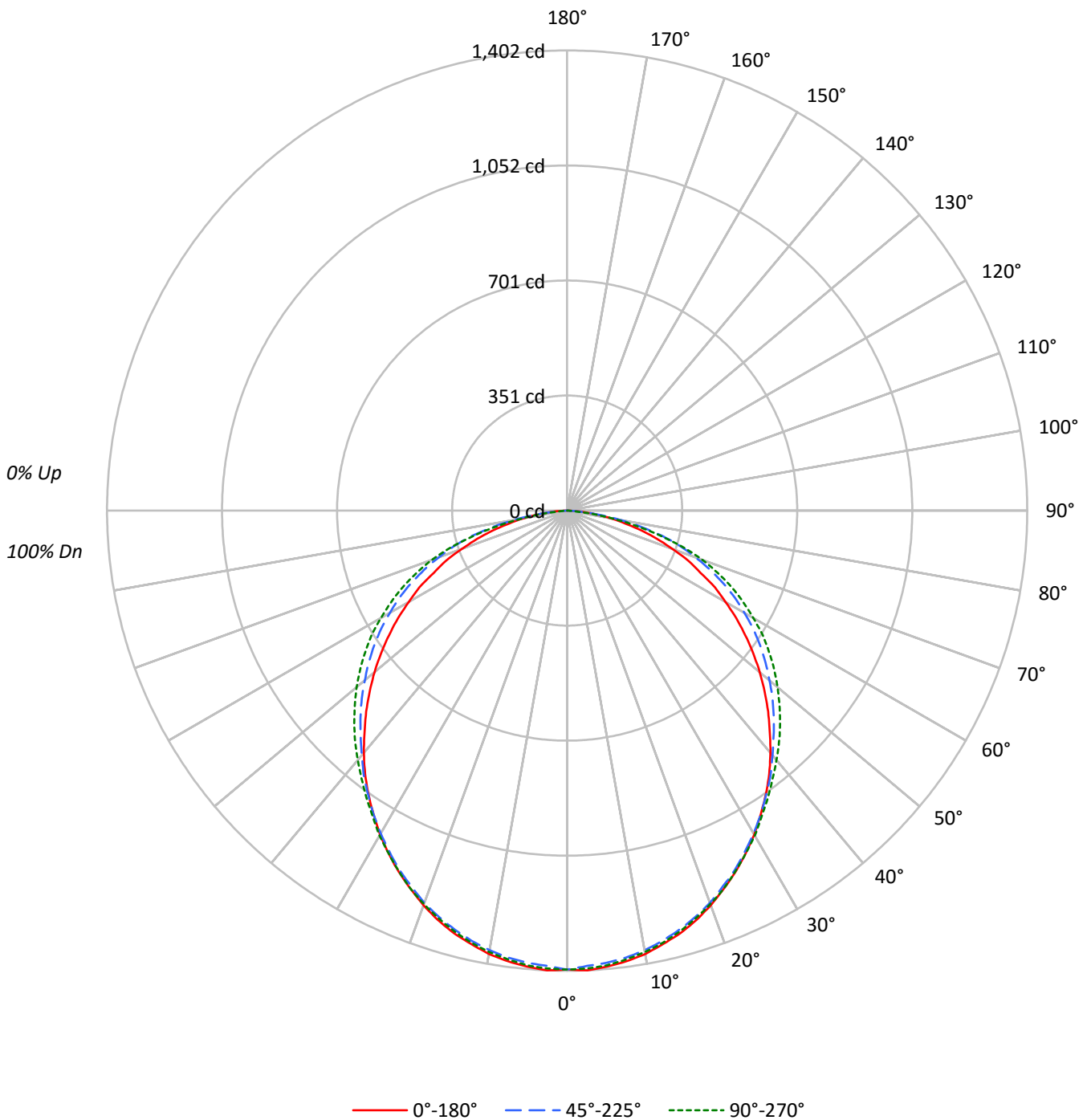
Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3763	3763	3763
5°	3767	3736	3757
10°	3748	3716	3732
15°	3714	3682	3698
20°	3664	3642	3653
25°	3606	3589	3600
30°	3542	3530	3553
35°	3467	3474	3505
40°	3385	3418	3486
45°	3295	3390	3492
50°	3208	3368	3504
55°	3110	3370	3523
60°	3000	3361	3526
65°	2854	3342	3525
70°	2683	3271	3452
75°	2430	3126	3028
80°	2078	2523	2227
85°	1479	1183	355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.9	3.4
10°-20°	374.4	9.6
20°-30°	558.5	14.3
30°-40°	663.6	16.9
40°-50°	688.7	17.6
50°-60°	636.9	16.3
60°-70°	507.4	13.0
70°-80°	297.0	7.6
80°-90°	57.6	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°	1064.8	27.2
0°-40°	1728.4	44.1
0°-60°	3054.1	78.0
0°-90°	3916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1398	1398	1398	1398	1398	
5°	1394	1391	1383	1391	1391	132
15°	1333	1331	1322	1331	1328	376
25°	1214	1213	1209	1214	1213	559
35°	1056	1056	1057	1065	1067	660
45°	866	875	891	912	918	668
55°	663	682	718	743	751	593
65°	448	481	525	546	554	447
75°	234	272	301	297	291	247
85°	48	58	38	19	12	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1398.4	1398.4	1398.4	1398.4	1398.4
2.5°	1402.2	1398.4	1388.8	1398.4	1396.5
5°	1394.5	1390.7	1383.0	1390.7	1390.7
7.5°	1385.0	1381.1	1373.5	1381.1	1379.2
10°	1371.6	1367.7	1360.1	1367.7	1365.8
12.5°	1352.4	1350.5	1342.8	1350.5	1348.6
15°	1333.2	1331.3	1321.7	1331.3	1327.5
17.5°	1308.3	1306.4	1298.8	1304.5	1302.6
20°	1279.6	1275.8	1271.9	1277.7	1275.8
22.5°	1247.0	1245.1	1239.4	1249.0	1247.0
25°	1214.5	1212.6	1208.7	1214.5	1212.6
27.5°	1178.1	1176.2	1172.3	1180.0	1178.1
30°	1139.8	1139.8	1135.9	1145.5	1143.6
32.5°	1097.6	1097.6	1097.6	1103.4	1103.4
35°	1055.5	1055.5	1057.4	1065.1	1067.0
37.5°	1011.4	1011.4	1017.2	1028.7	1028.7
40°	963.5	967.4	973.1	990.4	992.3
42.5°	913.7	921.4	931.0	952.0	955.9
45°	865.8	875.4	890.7	911.8	917.6
47.5°	816.0	827.5	848.6	871.6	877.3
50°	766.2	781.6	804.5	831.4	837.1
52.5°	714.5	731.7	762.4	789.2	795.0
55°	662.8	681.9	718.3	743.2	750.9
57.5°	611.1	632.1	672.4	697.3	706.8
60°	557.4	580.4	624.5	647.5	655.1
62.5°	507.6	532.5	576.6	597.7	605.3
65°	448.2	480.8	524.9	545.9	553.6
67.5°	400.4	431.0	471.2	494.2	496.1
70°	341.0	379.3	415.7	434.8	438.7
72.5°	287.3	325.6	362.0	369.7	369.7
75°	233.7	272.0	300.7	296.9	291.2
77.5°	180.1	218.4	233.7	220.3	214.5
80°	134.1	166.7	162.8	149.4	143.7
82.5°	88.1	113.0	95.8	80.5	72.8
85°	47.9	57.5	38.3	19.2	11.5
87.5°	17.2	11.5	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)