

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: P302077

Luminaire Tested: **ZX-WO-44L930-UNV-14-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302077
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-44L930-UNV-14-STD
Description: CORELITE CLASS RX 1X4 LED LUMINAIRE.
FLAT LENS
Light Source: (112)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

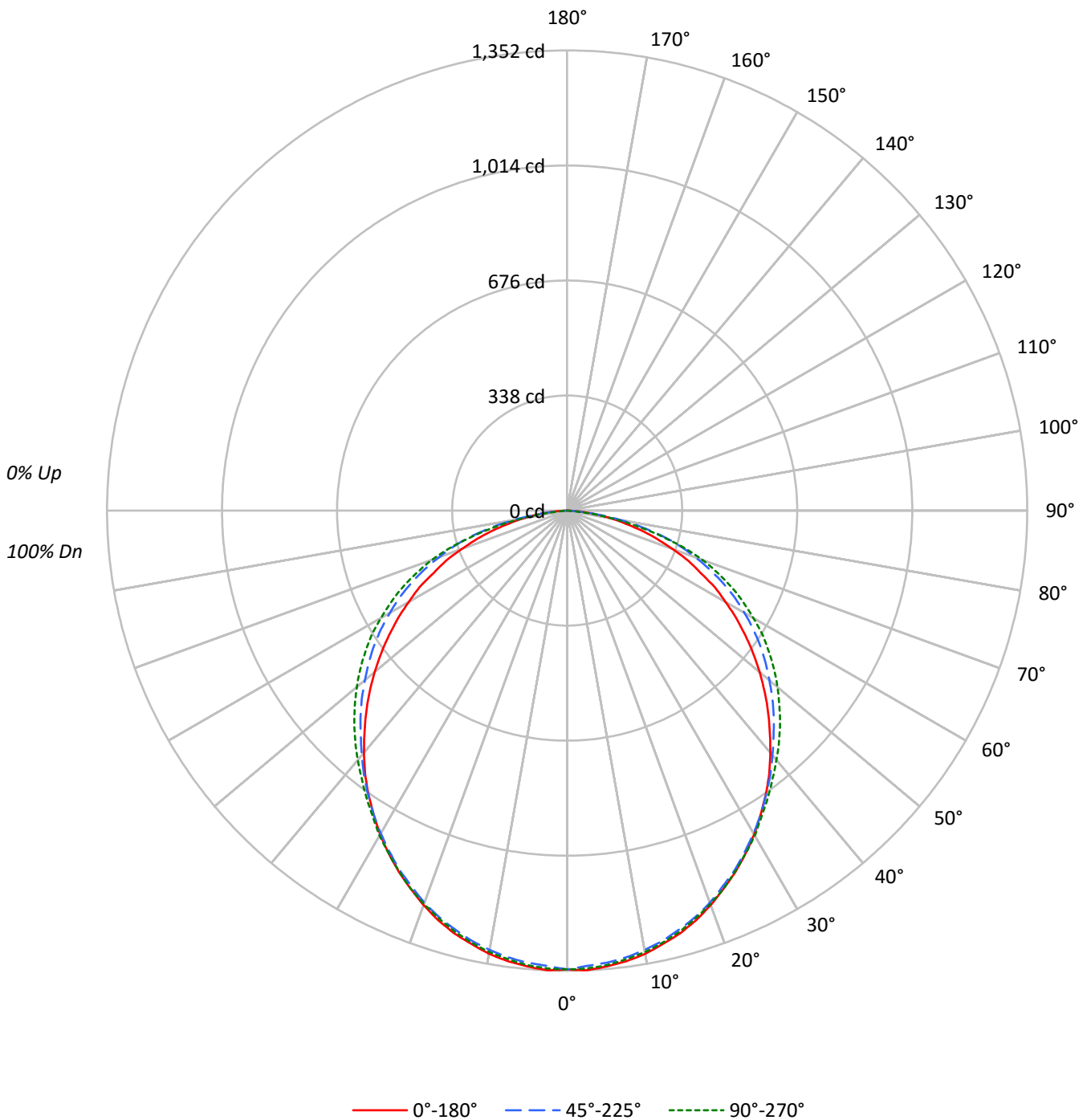
Lumens per Lamp: N/A
Luminaire Lumens: 3775.2 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.3
Input Voltage (V): 120
Input Current (A_{in}): 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°	3628	3628	3628
5°	3632	3602	3622
10°	3613	3583	3598
15°	3581	3550	3565
20°	3533	3511	3522
25°	3476	3460	3471
30°	3414	3403	3426
35°	3343	3349	3379
40°	3263	3295	3360
45°	3177	3268	3366
50°	3093	3247	3378
55°	2998	3249	3396
60°	2892	3240	3399
65°	2751	3222	3398
70°	2586	3153	3327
75°	2342	3014	2918
80°	2004	2433	2146
85°	1426	1139	343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	3.4
10°-20°	361.0	9.6
20°-30°	538.4	14.3
30°-40°	639.7	16.9
40°-50°	664.0	17.6
50°-60°	614.0	16.3
60°-70°	489.1	13.0
70°-80°	286.3	7.6
80°-90°	55.5	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°	1026.5	27.2
0°-40°	1666.2	44.1
0°-60°	2944.2	78.0
0°-90°	3775.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3775.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1348	1348	1348	1348	1348	
5°	1344	1341	1333	1341	1341	128
15°	1285	1283	1274	1283	1280	362
25°	1171	1169	1165	1171	1169	539
35°	1018	1018	1019	1027	1029	636
45°	835	844	859	879	885	644
55°	639	657	692	716	724	571
65°	432	464	506	526	534	431
75°	225	262	290	286	281	239
85°	46	55	37	18	11	58
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1348.1	1348.1	1348.1	1348.1	1348.1
2.5°	1351.8	1348.1	1338.8	1348.1	1346.2
5°	1344.4	1340.7	1333.3	1340.7	1340.7
7.5°	1335.2	1331.5	1324.1	1331.5	1329.6
10°	1322.2	1318.5	1311.1	1318.5	1316.7
12.5°	1303.8	1301.9	1294.5	1301.9	1300.1
15°	1285.3	1283.4	1274.2	1283.4	1279.8
17.5°	1261.3	1259.4	1252.1	1257.6	1255.7
20°	1233.6	1229.9	1226.2	1231.7	1229.9
22.5°	1202.2	1200.3	1194.8	1204.0	1202.2
25°	1170.8	1169.0	1165.3	1170.8	1169.0
27.5°	1135.7	1133.9	1130.2	1137.6	1135.7
30°	1098.8	1098.8	1095.1	1104.3	1102.5
32.5°	1058.2	1058.2	1058.2	1063.7	1063.7
35°	1017.5	1017.5	1019.4	1026.8	1028.6
37.5°	975.0	975.0	980.6	991.7	991.7
40°	928.9	932.6	938.1	954.7	956.6
42.5°	880.9	888.3	897.5	917.8	921.5
45°	834.7	843.9	858.7	879.0	884.6
47.5°	786.7	797.8	818.1	840.2	845.8
50°	738.7	753.4	775.6	801.5	807.0
52.5°	688.8	705.4	735.0	760.8	766.4
55°	639.0	657.4	692.5	716.5	723.9
57.5°	589.1	609.4	648.2	672.2	681.4
60°	537.4	559.5	602.0	624.2	631.6
62.5°	489.4	513.4	555.9	576.2	583.6
65°	432.1	463.5	506.0	526.3	533.7
67.5°	386.0	415.5	454.3	476.4	478.3
70°	328.7	365.6	400.7	419.2	422.9
72.5°	277.0	313.9	349.0	356.4	356.4
75°	225.3	262.2	289.9	286.2	280.7
77.5°	173.6	210.5	225.3	212.4	206.8
80°	129.3	160.7	157.0	144.0	138.5
82.5°	84.9	109.0	92.3	77.6	70.2
85°	46.2	55.4	36.9	18.5	11.1
87.5°	16.6	11.1	1.8	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)