

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: P302218

Luminaire Tested: **ZX-WO-34L930-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-40)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-34L930-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2694.1 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.22 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

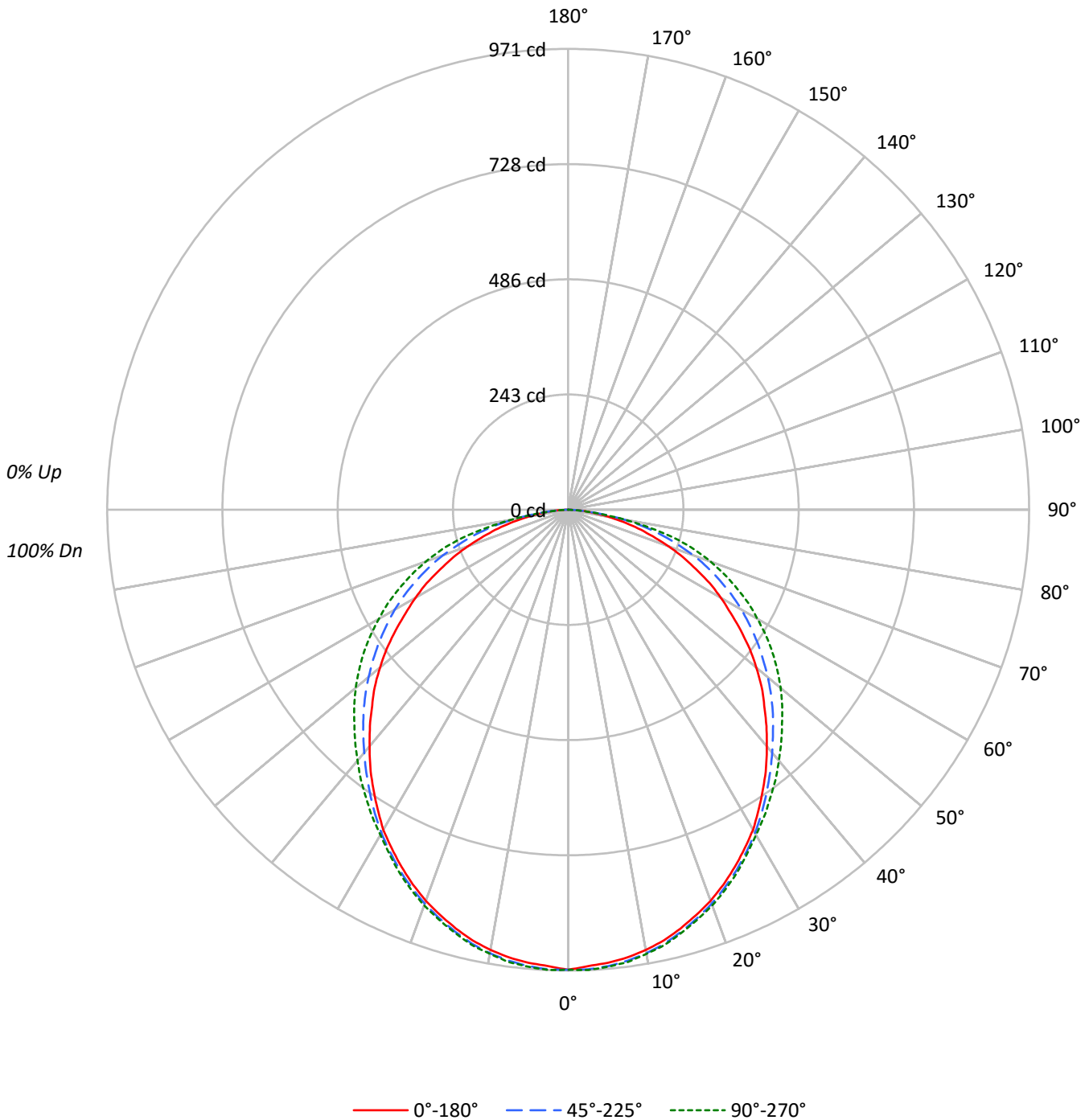
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	62	56	52	49
5	76	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	47	38	32	59	46	38	32	45	37	32	43	37	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°	2608	2608	2608
5°	2589	2607	2611
10°	2574	2593	2596
15°	2545	2564	2571
20°	2511	2530	2542
25°	2466	2490	2502
30°	2420	2445	2458
35°	2352	2393	2437
40°	2286	2348	2425
45°	2222	2321	2425
50°	2166	2297	2445
55°	2082	2280	2465
60°	2000	2271	2476
65°	1890	2245	2497
70°	1767	2206	2507
75°	1586	2095	2420
80°	1330	1835	1857
85°	1050	1050	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.4
10°-20°	259.2	9.6
20°-30°	385.8	14.3
30°-40°	456.3	16.9
40°-50°	471.5	17.5
50°-60°	433.5	16.1
60°-70°	344.7	12.8
70°-80°	206.5	7.7
80°-90°	45.0	1.7
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°	736.5	27.3
0°-40°	1192.8	44.3
0°-60°	2097.8	77.9
0°-90°	2694.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2694.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	969	969	969	969	969	
5°	958	961	965	967	967	91
15°	914	916	920	923	923	258
25°	830	833	839	843	843	383
35°	716	720	728	738	742	448
45°	584	590	610	632	637	451
55°	444	453	486	516	526	397
65°	297	314	353	384	392	295
75°	152	173	202	225	233	161
85°	34	37	34	31	27	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	969.3	969.3	969.3	969.3	969.3
2.5°	962.5	965.2	969.3	970.7	970.7
5°	958.4	961.1	965.2	966.6	966.6
7.5°	951.6	954.3	958.4	959.8	961.1
10°	942.1	944.8	948.9	950.2	950.2
12.5°	929.8	931.2	936.6	938.0	939.3
15°	913.5	916.2	920.3	923.0	923.0
17.5°	895.8	898.5	902.6	905.3	905.3
20°	876.7	879.4	883.5	886.3	887.6
22.5°	854.9	857.7	861.7	865.8	865.8
25°	830.4	833.2	838.6	842.7	842.7
27.5°	804.6	807.3	812.7	816.8	816.8
30°	778.7	780.1	786.9	789.6	791.0
32.5°	747.4	751.5	758.3	763.7	767.8
35°	716.1	720.2	728.3	737.9	741.9
37.5°	684.8	688.9	698.4	712.0	717.4
40°	650.7	656.2	668.4	686.1	690.2
42.5°	618.1	624.9	638.5	658.9	664.4
45°	584.0	589.5	609.9	631.7	637.1
47.5°	552.7	556.8	579.9	604.4	611.3
50°	517.3	522.8	548.6	575.9	584.0
52.5°	481.9	488.7	517.3	545.9	555.4
55°	443.8	453.3	486.0	516.0	525.5
57.5°	405.7	419.3	453.3	483.3	494.2
60°	371.7	383.9	422.0	450.6	460.1
62.5°	336.3	349.9	388.0	416.6	428.8
65°	296.8	314.5	352.6	383.9	392.1
67.5°	261.4	279.1	317.2	345.8	356.7
70°	224.6	245.0	280.4	306.3	318.6
72.5°	186.5	208.3	239.6	266.8	279.1
75°	152.5	172.9	201.5	224.6	232.8
77.5°	118.4	137.5	160.6	174.3	177.0
80°	85.8	100.7	118.4	121.2	119.8
82.5°	57.2	68.1	73.5	70.8	70.8
85°	34.0	36.8	34.0	31.3	27.2
87.5°	12.3	10.9	8.2	5.4	2.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)