

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: P302224

Luminaire Tested: **ZX-WO-34L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302224
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-34L935-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, STANDARD LUMEN PACKAGE.
Light Source: (196)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2794.6 lumens
Efficiency: N/A
Efficacy: 108.3 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

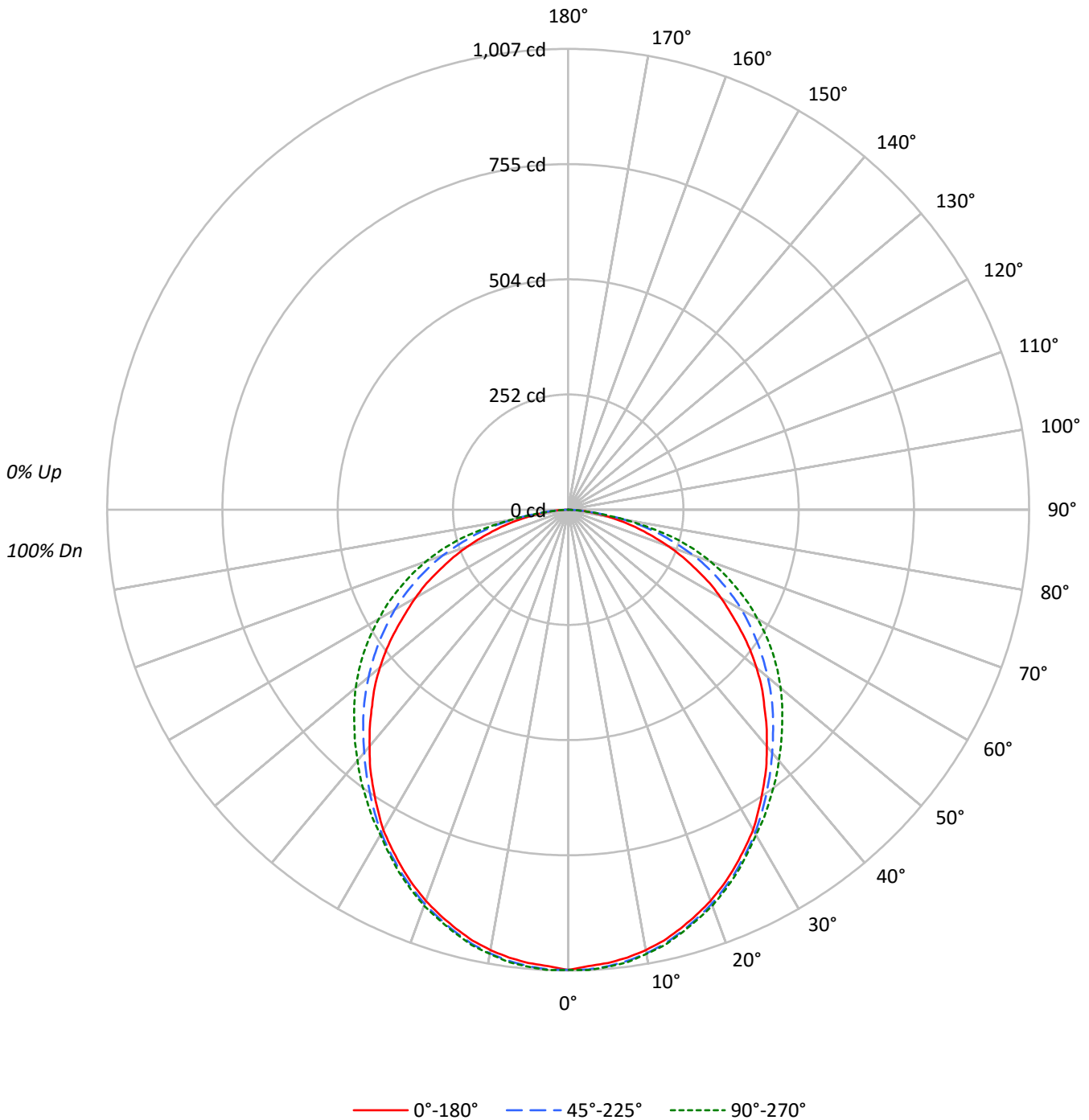
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	76	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29					29			
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2706	2706	2706
5°	2686	2704	2708
10°	2670	2690	2693
15°	2640	2659	2667
20°	2604	2625	2637
25°	2558	2583	2595
30°	2510	2536	2550
35°	2440	2482	2528
40°	2371	2436	2515
45°	2305	2407	2515
50°	2246	2382	2536
55°	2160	2365	2557
60°	2075	2356	2569
65°	1961	2329	2590
70°	1833	2289	2600
75°	1645	2173	2511
80°	1379	1905	1926
85°	1090	1090	871



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.9	3.4
10°-20°	268.9	9.6
20°-30°	400.2	14.3
30°-40°	473.3	16.9
40°-50°	489.1	17.5
50°-60°	449.7	16.1
60°-70°	357.6	12.8
70°-80°	214.2	7.7
80°-90°	46.7	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°	764.0	27.3
0°-40°	1237.3	44.3
0°-60°	2176.1	77.9
0°-90°	2794.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2794.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1006	1006	1006	1006	1006	
5°	994	997	1001	1003	1003	94
15°	948	950	955	957	957	267
25°	861	864	870	874	874	397
35°	743	747	756	765	770	465
45°	606	612	633	655	661	468
55°	460	470	504	535	545	412
65°	308	326	366	398	407	306
75°	158	179	209	233	242	168
85°	35	38	35	32	28	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1005.5	1005.5	1005.5	1005.5	1005.5
2.5°	998.4	1001.2	1005.5	1006.9	1006.9
5°	994.2	997.0	1001.2	1002.6	1002.6
7.5°	987.1	989.9	994.2	995.6	997.0
10°	977.2	980.0	984.3	985.7	985.7
12.5°	964.5	965.9	971.6	973.0	974.4
15°	947.6	950.4	954.6	957.4	957.4
17.5°	929.2	932.0	936.3	939.1	939.1
20°	909.4	912.3	916.5	919.3	920.7
22.5°	886.8	889.7	893.9	898.1	898.1
25°	861.4	864.2	869.9	874.1	874.1
27.5°	834.6	837.4	843.1	847.3	847.3
30°	807.8	809.2	816.2	819.1	820.5
32.5°	775.3	779.5	786.6	792.2	796.5
35°	742.8	747.0	755.5	765.4	769.6
37.5°	710.3	714.6	724.4	738.6	744.2
40°	675.0	680.7	693.4	711.7	716.0
42.5°	641.1	648.2	662.3	683.5	689.1
45°	605.8	611.5	632.6	655.2	660.9
47.5°	573.3	577.6	601.6	627.0	634.1
50°	536.6	542.3	569.1	597.3	605.8
52.5°	499.9	507.0	536.6	566.3	576.2
55°	460.4	470.2	504.1	535.2	545.1
57.5°	420.8	434.9	470.2	501.3	512.6
60°	385.5	398.2	437.8	467.4	477.3
62.5°	348.8	362.9	402.5	432.1	444.8
65°	307.9	326.2	365.7	398.2	406.7
67.5°	271.1	289.5	329.0	358.7	370.0
70°	233.0	254.2	290.9	317.7	330.4
72.5°	193.5	216.1	248.5	276.8	289.5
75°	158.2	179.3	209.0	233.0	241.5
77.5°	122.9	142.6	166.6	180.8	183.6
80°	89.0	104.5	122.9	125.7	124.3
82.5°	59.3	70.6	76.3	73.4	73.4
85°	35.3	38.1	35.3	32.5	28.2
87.5°	12.7	11.3	8.5	5.6	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)