

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: P302223

Luminaire Tested: **ZX-WO-29L935-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302223
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-29L935-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: 2428.5 lumens
Efficiency: N/A
Efficacy: 109.4 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

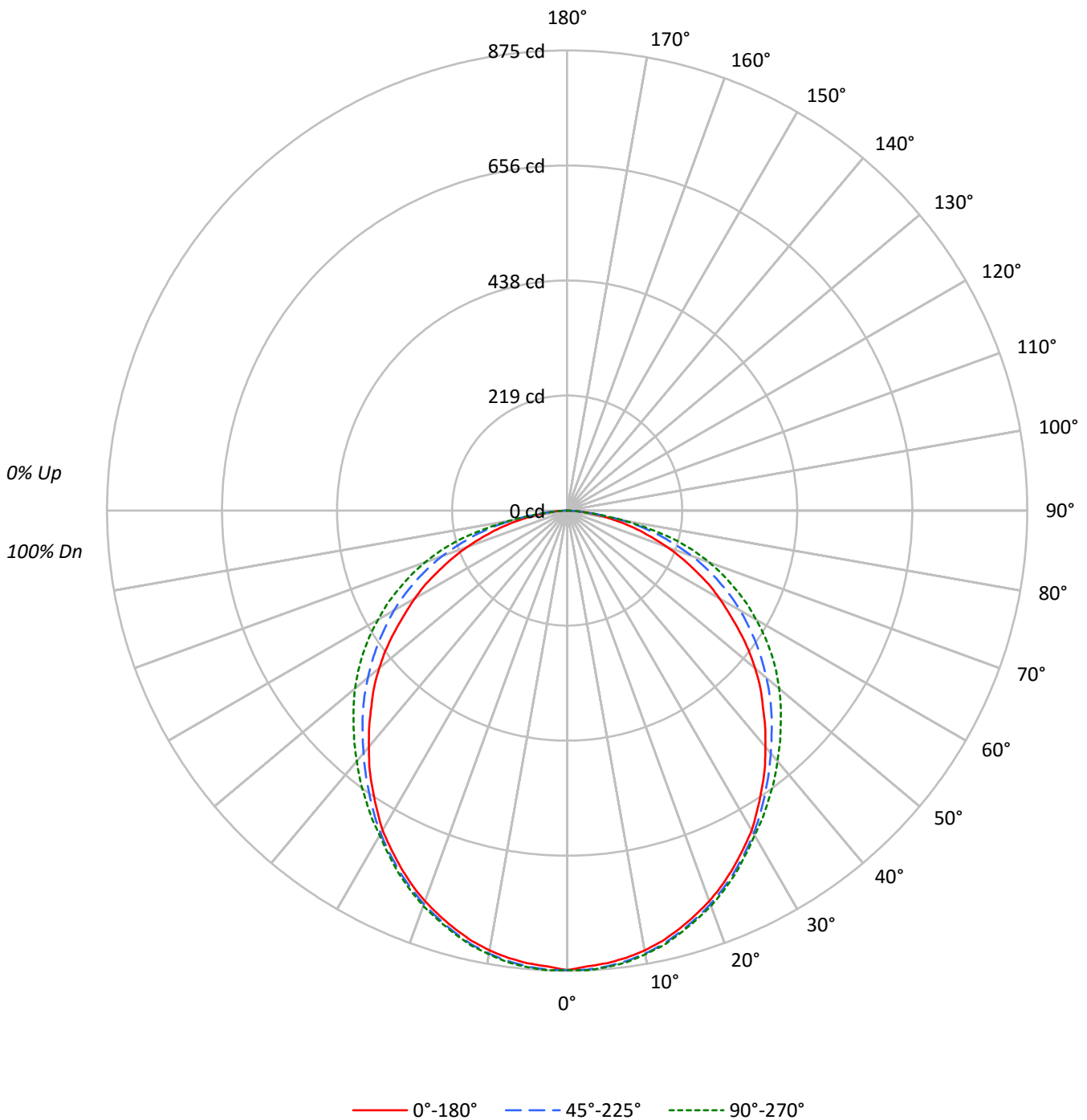
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2351	2351	2351
5°	2334	2350	2354
10°	2320	2337	2341
15°	2294	2311	2318
20°	2263	2281	2291
25°	2223	2244	2255
30°	2181	2204	2215
35°	2121	2157	2197
40°	2061	2116	2186
45°	2003	2092	2186
50°	1952	2070	2204
55°	1877	2055	2222
60°	1803	2047	2232
65°	1703	2024	2250
70°	1593	1989	2260
75°	1429	1888	2181
80°	1198	1655	1674
85°	948	948	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.5	3.4
10°-20°	233.7	9.6
20°-30°	347.7	14.3
30°-40°	411.3	16.9
40°-50°	425.0	17.5
50°-60°	390.8	16.1
60°-70°	310.8	12.8
70°-80°	186.1	7.7
80°-90°	40.6	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°	663.9	27.3
0°-40°	1075.2	44.3
0°-60°	1891.0	77.9
0°-90°	2428.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2428.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	874	874	874	874	874	
5°	864	866	870	871	871	82
15°	823	826	830	832	832	232
25°	749	751	756	760	760	345
35°	646	649	656	665	669	404
45°	526	531	550	569	574	407
55°	400	409	438	465	474	358
65°	268	284	318	346	353	266
75°	137	156	182	202	210	146
85°	31	33	31	28	24	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.7	873.7	873.7	873.7	873.7
2.5°	867.6	870.1	873.7	875.0	875.0
5°	863.9	866.4	870.1	871.3	871.3
7.5°	857.8	860.2	863.9	865.1	866.4
10°	849.2	851.6	855.3	856.6	856.6
12.5°	838.1	839.4	844.3	845.5	846.7
15°	823.4	825.9	829.6	832.0	832.0
17.5°	807.5	809.9	813.6	816.1	816.1
20°	790.3	792.7	796.4	798.9	800.1
22.5°	770.7	773.1	776.8	780.5	780.5
25°	748.6	751.0	755.9	759.6	759.6
27.5°	725.2	727.7	732.6	736.3	736.3
30°	701.9	703.2	709.3	711.7	713.0
32.5°	673.7	677.4	683.5	688.4	692.1
35°	645.5	649.2	656.5	665.1	668.8
37.5°	617.3	620.9	629.5	641.8	646.7
40°	586.6	591.5	602.5	618.5	622.2
42.5°	557.1	563.3	575.5	593.9	598.8
45°	526.4	531.4	549.8	569.4	574.3
47.5°	498.2	501.9	522.8	544.9	551.0
50°	466.3	471.2	494.5	519.1	526.4
52.5°	434.4	440.5	466.3	492.1	500.7
55°	400.1	408.6	438.1	465.1	473.7
57.5°	365.7	378.0	408.6	435.6	445.5
60°	335.0	346.1	380.4	406.2	414.8
62.5°	303.1	315.4	349.7	375.5	386.6
65°	267.5	283.5	317.8	346.1	353.4
67.5°	235.6	251.6	285.9	311.7	321.5
70°	202.5	220.9	252.8	276.1	287.2
72.5°	168.1	187.8	216.0	240.5	251.6
75°	137.4	155.8	181.6	202.5	209.8
77.5°	106.8	123.9	144.8	157.1	159.5
80°	77.3	90.8	106.8	109.2	108.0
82.5°	51.5	61.4	66.3	63.8	63.8
85°	30.7	33.1	30.7	28.2	24.5
87.5°	11.0	9.8	7.4	4.9	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)