

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: P302135

Luminaire Tested: **ZX-WO-29H835-UNV-22-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: ZX-WO-29H835-UNV-22-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
FLAT LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (294)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

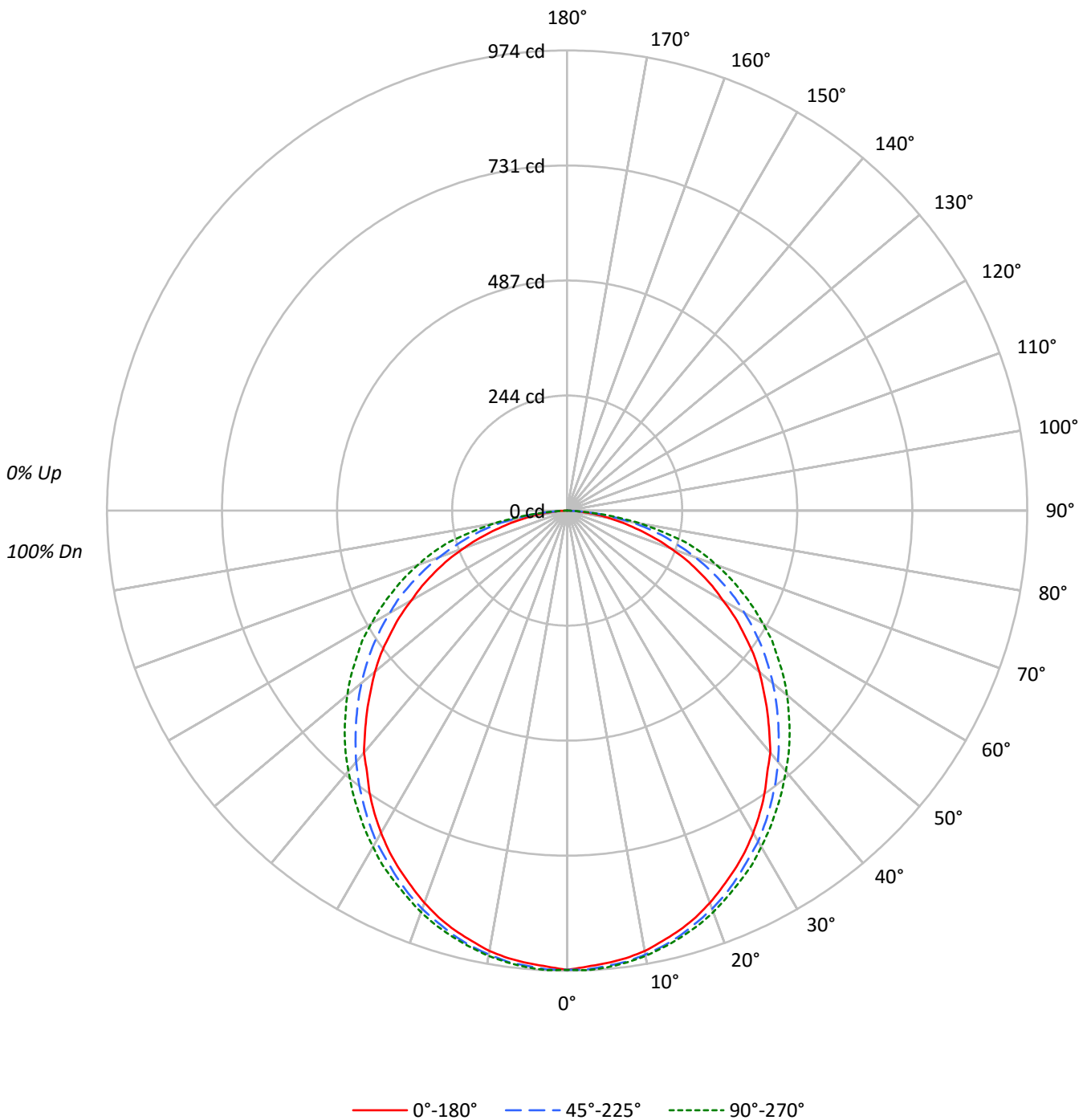
Lumens per Lamp: N/A
Luminaire Lumens: 2786.5 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
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	108	104	99	95	106	101	97	94	97	94	91		93	90	88		89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74		81	77	73		78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62		71	66	61		69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	68	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2616	2616	2616
5°	2598	2614	2622
10°	2587	2607	2615
15°	2562	2591	2604
20°	2530	2569	2590
25°	2490	2539	2570
30°	2447	2513	2554
35°	2395	2474	2538
40°	2350	2440	2530
45°	2278	2404	2535
50°	2223	2380	2544
55°	2147	2358	2555
60°	2051	2334	2576
65°	1968	2311	2598
70°	1829	2266	2644
75°	1622	2215	2698
80°	1371	2069	2441
85°	973	1436	1389



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	3.3
10°-20°	261.9	9.4
20°-30°	393.5	14.1
30°-40°	470.8	16.9
40°-50°	488.2	17.5
50°-60°	449.1	16.1
60°-70°	356.3	12.8
70°-80°	220.1	7.9
80°-90°	54.7	2.0
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°	747.3	26.8
0°-40°	1218.1	43.7
0°-60°	2155.4	77.4
0°-90°	2786.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2786.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	972	972	972	972	972	
5°	962	965	968	971	971	91
15°	920	923	930	935	935	259
25°	839	845	855	864	866	386
35°	729	737	753	768	773	456
45°	599	609	632	657	666	462
55°	458	470	503	537	545	410
65°	309	322	363	398	408	306
75°	156	177	213	246	260	167
85°	32	40	46	46	45	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	972.1	972.1	972.1	972.1	972.1
2.5°	966.1	967.6	972.1	973.6	973.6
5°	961.6	964.6	967.6	970.6	970.6
7.5°	955.6	958.6	963.1	964.6	964.6
10°	946.6	949.6	954.1	957.1	957.1
12.5°	933.1	937.6	943.6	946.6	946.6
15°	919.6	922.6	930.1	934.6	934.6
17.5°	903.1	906.1	913.6	919.6	921.1
20°	883.6	886.6	897.1	903.1	904.6
22.5°	861.1	865.6	877.6	883.6	885.1
25°	838.6	844.6	855.1	864.1	865.6
27.5°	814.6	820.6	831.1	843.1	846.1
30°	787.6	793.6	808.6	819.1	822.1
32.5°	759.1	766.6	781.6	795.1	798.1
35°	729.1	736.6	753.1	768.1	772.6
37.5°	696.1	706.6	724.6	741.1	747.1
40°	669.1	675.1	694.6	714.1	720.1
42.5°	633.1	642.1	663.1	685.6	694.6
45°	598.6	609.1	631.6	657.1	666.1
47.5°	564.1	574.6	600.1	627.1	636.1
50°	531.1	540.1	568.6	598.6	607.6
52.5°	496.6	505.6	535.6	568.6	577.6
55°	457.6	469.6	502.6	537.1	544.6
57.5°	421.5	433.6	468.1	501.1	514.6
60°	381.0	396.0	433.6	466.6	478.6
62.5°	346.5	358.5	400.5	433.6	444.1
65°	309.0	322.5	363.0	397.5	408.0
67.5°	273.0	286.5	325.5	360.0	373.5
70°	232.5	247.5	288.0	322.5	336.0
72.5°	195.0	213.0	249.0	285.0	300.0
75°	156.0	177.0	213.0	246.0	259.5
77.5°	121.5	139.5	174.0	196.5	204.0
80°	88.5	106.5	133.5	148.5	157.5
82.5°	60.0	70.5	91.5	102.0	102.0
85°	31.5	40.5	46.5	46.5	45.0
87.5°	10.5	12.0	9.0	4.5	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)