

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: P274244

Luminaire Tested: **R6-WL-15L835-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-915-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R6-WL-15L835-LD5-UNV-2-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 2'
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1488.8 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 2' x H: 0')
CIE Type: Direct

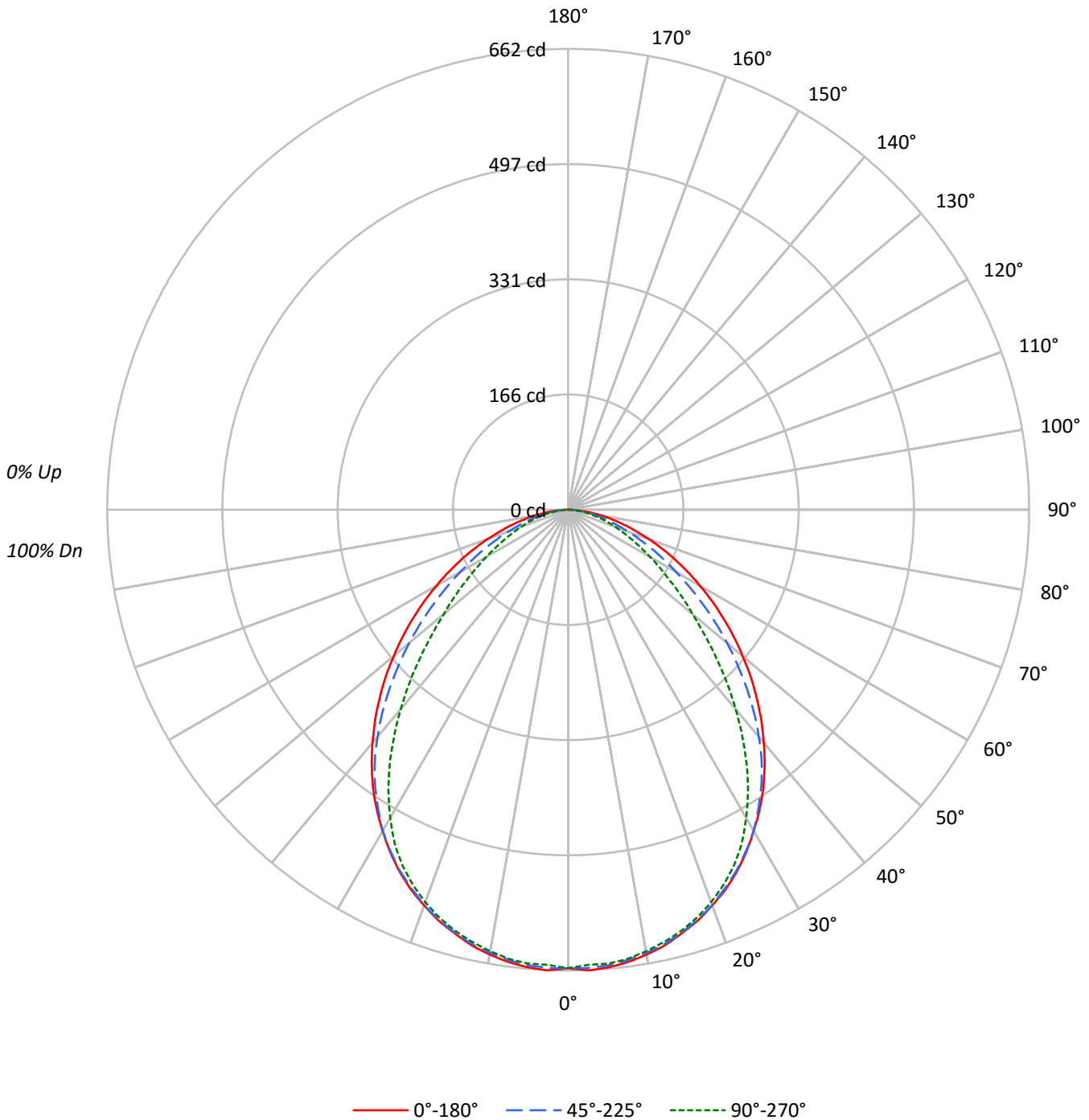
Input Watts (W): 12.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86				86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74				74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64				64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55				55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49				49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43				43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38				38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35				35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31				31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29				29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8506	8506	8506
5°	8558	8519	8486
10°	8512	8479	8447
15°	8425	8411	8378
20°	8316	8309	8247
25°	8174	8152	8031
30°	7950	7942	7622
35°	7703	7624	7048
40°	7368	7183	6306
45°	6996	6622	5489
50°	6571	5988	4682
55°	6125	5303	4042
60°	5645	4624	3526
65°	5165	4019	3056
70°	4626	3418	2719
75°	4117	2920	2395
80°	3608	2417	2008
85°	3038	1778	1482



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	4.2
10°-20°	176.7	11.9
20°-30°	261.2	17.5
30°-40°	295.3	19.8
40°-50°	270.6	18.2
50°-60°	207.2	13.9
60°-70°	133.2	8.9
70°-80°	66.3	4.5
80°-90°	16.0	1.1
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°	500.2	33.6
0°-40°	795.5	53.4
0°-60°	1273.3	85.5
0°-90°	1488.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1488.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	660	654	657	654	654	63
15°	630	624	629	626	626	178
25°	574	568	572	564	564	264
35°	488	485	484	458	447	305
45°	383	380	362	319	300	295
55°	272	268	236	194	180	243
65°	169	160	132	107	100	168
75°	82	74	58	50	48	88
85°	20	15	12	10	10	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.5	658.5	658.5	658.5	658.5
2.5°	662.5	655.5	659.0	657.5	654.5
5°	660.0	653.5	657.0	654.5	654.5
7.5°	655.5	649.0	652.5	650.5	651.0
10°	649.0	643.0	646.5	644.0	644.0
12.5°	641.0	634.5	639.0	636.0	636.0
15°	630.0	624.5	629.0	626.5	626.5
17.5°	619.0	613.0	617.5	614.5	614.5
20°	605.0	600.0	604.5	600.0	600.0
22.5°	590.5	585.0	588.5	583.5	583.0
25°	573.5	568.0	572.0	564.5	563.5
27.5°	554.0	550.0	553.0	543.5	540.0
30°	533.0	529.5	532.5	519.0	511.0
32.5°	511.5	508.0	508.5	489.5	480.5
35°	488.5	485.0	483.5	458.5	447.0
37.5°	463.5	460.5	456.5	425.0	411.0
40°	437.0	434.5	426.0	390.5	374.0
42.5°	410.5	407.5	395.0	355.0	337.5
45°	383.0	380.5	362.5	319.0	300.5
47.5°	355.5	353.5	329.5	285.0	265.0
50°	327.0	325.5	298.0	250.5	233.0
52.5°	299.5	296.5	266.5	221.5	206.0
55°	272.0	268.5	235.5	194.0	179.5
57.5°	245.0	239.5	206.0	169.5	156.5
60°	218.5	212.0	179.0	147.0	136.5
62.5°	193.5	186.5	154.5	127.0	117.0
65°	169.0	160.5	131.5	107.0	100.0
67.5°	145.5	136.5	110.0	91.0	85.0
70°	122.5	113.5	90.5	76.0	72.0
72.5°	102.0	93.0	74.0	62.5	59.5
75°	82.5	73.5	58.5	50.0	48.0
77.5°	64.5	56.0	45.0	38.5	37.0
80°	48.5	40.5	32.5	28.0	27.0
82.5°	34.0	26.5	21.5	18.5	18.0
85°	20.5	15.0	12.0	10.5	10.0
87.5°	9.0	5.5	4.5	4.0	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)