

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: P274243

Luminaire Tested: **R6-WL-15L830-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274243
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-15L830-LD5-UNV-2-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 2'
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1431.5 lumens
Efficiency: N/A
Efficacy: 118.3 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

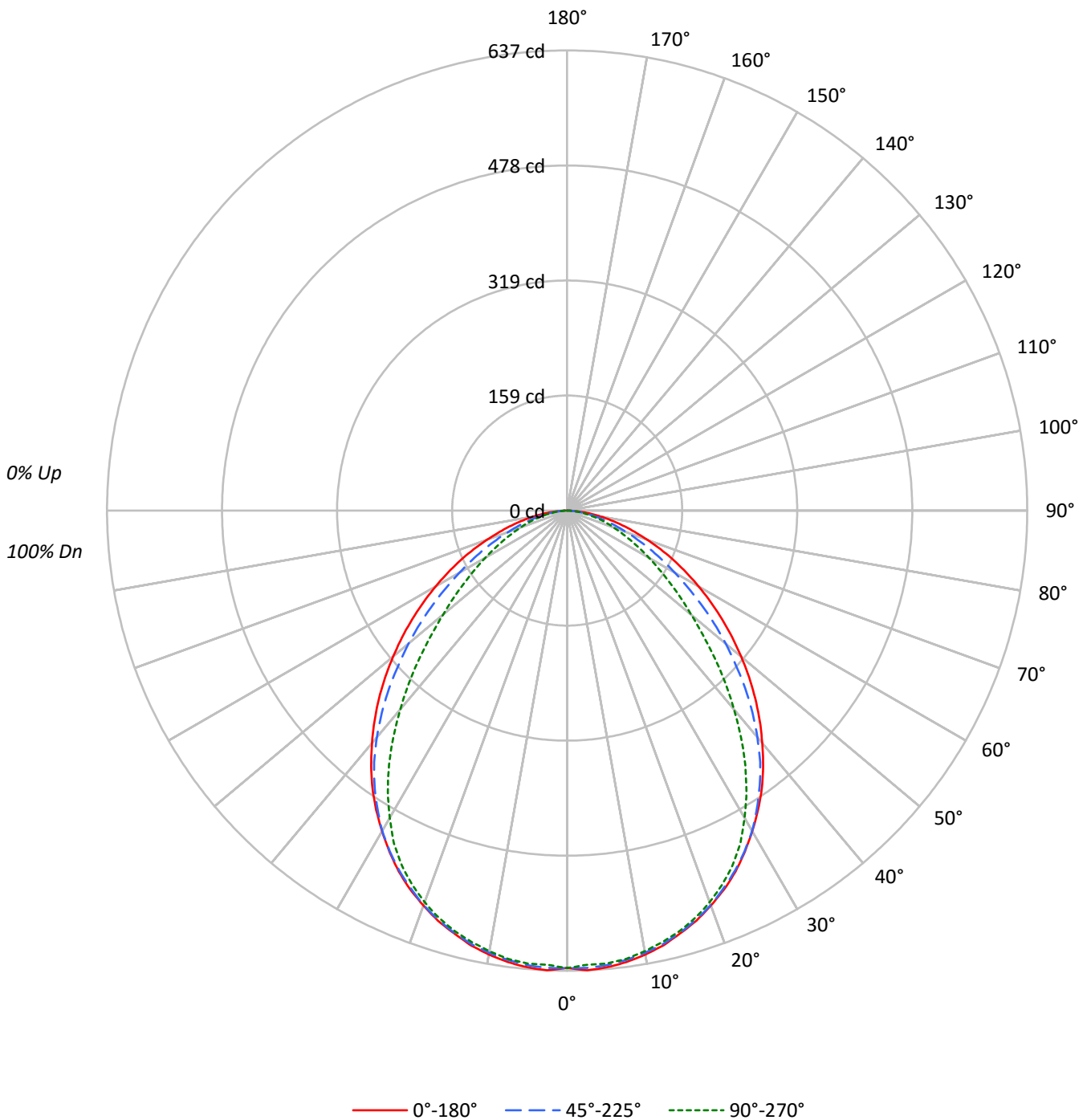
Input Watts (W): 12.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	98	92	86	81	88	83	79	85	81	78	82	79	76	74
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	73	69	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	34	58	46	39	34	45	38	33	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8179	8179	8179
5°	8228	8191	8160
10°	8184	8153	8121
15°	8101	8088	8055
20°	7996	7990	7930
25°	7859	7839	7722
30°	7644	7636	7328
35°	7406	7331	6777
40°	7085	6906	6063
45°	6728	6368	5277
50°	6318	5757	4501
55°	5889	5098	3887
60°	5428	4446	3392
65°	4967	3863	2940
70°	4449	3286	2613
75°	3958	2810	2306
80°	3466	2328	1934
85°	2920	1704	1423



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	4.2
10°-20°	169.9	11.9
20°-30°	251.2	17.5
30°-40°	283.9	19.8
40°-50°	260.2	18.2
50°-60°	199.2	13.9
60°-70°	128.1	8.9
70°-80°	63.7	4.5
80°-90°	15.4	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°	481.0	33.6
0°-40°	764.9	53.4
0°-60°	1224.3	85.5
0°-90°	1431.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1431.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	633	633	633	633	633	
5°	635	628	632	629	629	60
15°	606	600	605	602	602	171
25°	551	546	550	543	542	254
35°	470	466	465	441	430	293
45°	368	366	349	307	289	284
55°	262	258	226	186	173	234
65°	162	154	126	103	96	161
75°	79	71	56	48	46	85
85°	20	14	12	10	10	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	633.2	633.2	633.2	633.2	633.2
2.5°	637.0	630.3	633.7	632.2	629.3
5°	634.6	628.4	631.7	629.3	629.3
7.5°	630.3	624.0	627.4	625.5	626.0
10°	624.0	618.3	621.6	619.2	619.2
12.5°	616.3	610.1	614.4	611.5	611.5
15°	605.8	600.5	604.8	602.4	602.4
17.5°	595.2	589.4	593.8	590.9	590.9
20°	581.7	576.9	581.3	576.9	576.9
22.5°	567.8	562.5	565.9	561.1	560.6
25°	551.4	546.2	550.0	542.8	541.8
27.5°	532.7	528.8	531.7	522.6	519.2
30°	512.5	509.1	512.0	499.0	491.3
32.5°	491.8	488.5	488.9	470.7	462.0
35°	469.7	466.3	464.9	440.9	429.8
37.5°	445.7	442.8	438.9	408.7	395.2
40°	420.2	417.8	409.6	375.5	359.6
42.5°	394.7	391.8	379.8	341.3	324.5
45°	368.3	365.9	348.6	306.7	288.9
47.5°	341.8	339.9	316.8	274.0	254.8
50°	314.4	313.0	286.5	240.9	224.0
52.5°	288.0	285.1	256.3	213.0	198.1
55°	261.5	258.2	226.4	186.5	172.6
57.5°	235.6	230.3	198.1	163.0	150.5
60°	210.1	203.8	172.1	141.3	131.3
62.5°	186.1	179.3	148.6	122.1	112.5
65°	162.5	154.3	126.4	102.9	96.2
67.5°	139.9	131.3	105.8	87.5	81.7
70°	117.8	109.1	87.0	73.1	69.2
72.5°	98.1	89.4	71.2	60.1	57.2
75°	79.3	70.7	56.3	48.1	46.2
77.5°	62.0	53.8	43.3	37.0	35.6
80°	46.6	38.9	31.3	26.9	26.0
82.5°	32.7	25.5	20.7	17.8	17.3
85°	19.7	14.4	11.5	10.1	9.6
87.5°	8.7	5.3	4.3	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)