

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: P274245

Luminaire Tested: **R6-WL-15L840-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274245
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-15L840-LD5-UNV-2-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 2'
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1517.4 lumens
Efficiency: N/A
Efficacy: 125.4 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

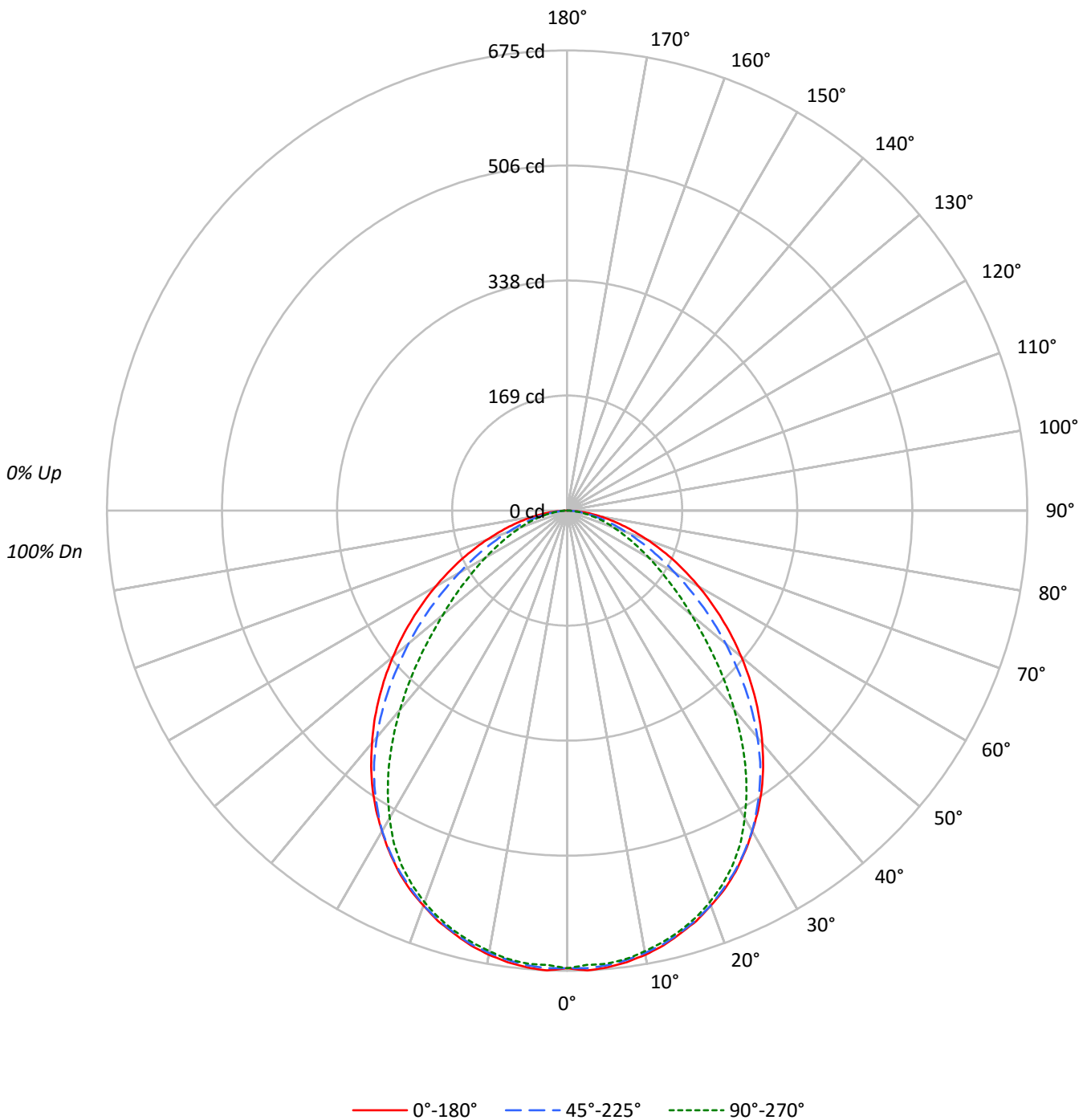
Input Watts (W): 12.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	8670	8670	8670
5°	8722	8682	8650
10°	8676	8642	8609
15°	8586	8573	8538
20°	8476	8469	8405
25°	8330	8309	8185
30°	8103	8094	7768
35°	7851	7771	7184
40°	7510	7321	6428
45°	7131	6750	5595
50°	6698	6103	4773
55°	6242	5405	4121
60°	5753	4712	3593
65°	5266	4096	3114
70°	4717	3482	2772
75°	4197	2974	2440
80°	3675	2462	2046
85°	3097	1808	1512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	4.2
10°-20°	180.1	11.9
20°-30°	266.2	17.5
30°-40°	301.0	19.8
40°-50°	275.8	18.2
50°-60°	211.2	13.9
60°-70°	135.8	8.9
70°-80°	67.5	4.5
80°-90°	16.3	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°	509.8	33.6
0°-40°	810.8	53.4
0°-60°	1297.8	85.5
0°-90°	1517.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1517.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	673	666	670	667	667	64
15°	642	636	641	638	638	181
25°	584	579	583	575	574	269
35°	498	494	493	467	456	311
45°	390	388	370	325	306	301
55°	277	274	240	198	183	248
65°	172	164	134	109	102	171
75°	84	75	60	51	49	90
85°	21	15	12	11	10	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	671.2	671.2	671.2	671.2	671.2
2.5°	675.2	668.1	671.7	670.1	667.1
5°	672.7	666.1	669.6	667.1	667.1
7.5°	668.1	661.5	665.0	663.0	663.5
10°	661.5	655.4	658.9	656.4	656.4
12.5°	653.3	646.7	651.3	648.2	648.2
15°	642.1	636.5	641.1	638.5	638.5
17.5°	630.9	624.8	629.4	626.3	626.3
20°	616.6	611.5	616.1	611.5	611.5
22.5°	601.9	596.3	599.8	594.7	594.2
25°	584.5	578.9	583.0	575.4	574.3
27.5°	564.7	560.6	563.6	554.0	550.4
30°	543.3	539.7	542.7	529.0	520.8
32.5°	521.3	517.8	518.3	498.9	489.7
35°	497.9	494.3	492.8	467.3	455.6
37.5°	472.4	469.4	465.3	433.2	418.9
40°	445.4	442.9	434.2	398.0	381.2
42.5°	418.4	415.3	402.6	361.8	344.0
45°	390.4	387.8	369.5	325.1	306.3
47.5°	362.3	360.3	335.8	290.5	270.1
50°	333.3	331.8	303.7	255.3	237.5
52.5°	305.3	302.2	271.6	225.8	210.0
55°	277.2	273.7	240.0	197.7	183.0
57.5°	249.7	244.1	210.0	172.8	159.5
60°	222.7	216.1	182.4	149.8	139.1
62.5°	197.2	190.1	157.5	129.4	119.3
65°	172.3	163.6	134.0	109.1	101.9
67.5°	148.3	139.1	112.1	92.8	86.6
70°	124.9	115.7	92.2	77.5	73.4
72.5°	104.0	94.8	75.4	63.7	60.6
75°	84.1	74.9	59.6	51.0	48.9
77.5°	65.7	57.1	45.9	39.2	37.7
80°	49.4	41.3	33.1	28.5	27.5
82.5°	34.7	27.0	21.9	18.9	18.3
85°	20.9	15.3	12.2	10.7	10.2
87.5°	9.2	5.6	4.6	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)