

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: P274248

Luminaire Tested: **R6-WL-20L830-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-915-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R6-WL-20L830-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: 1934.6 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 2' x H: 0')
CIE Type: Direct

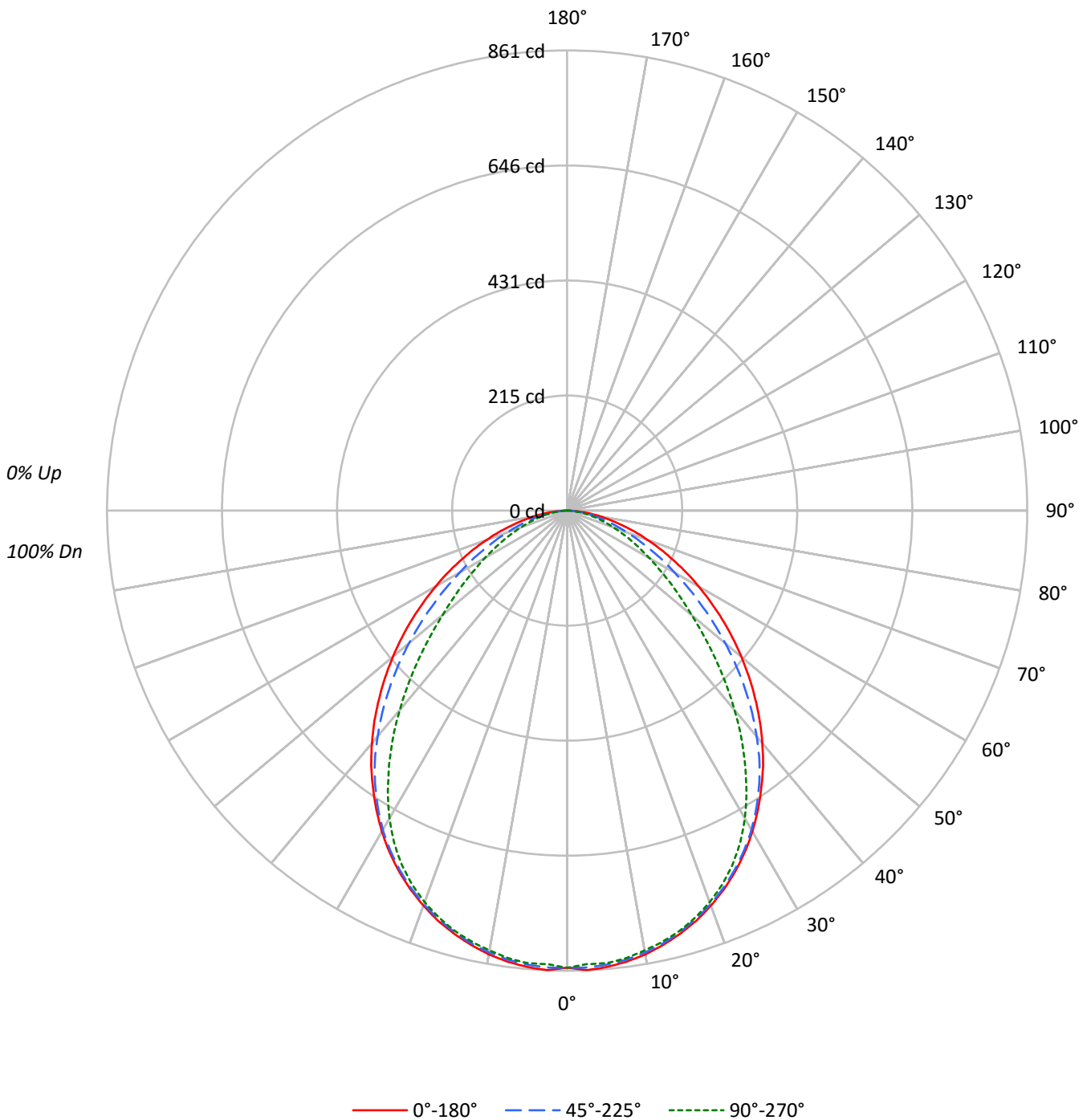
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	77	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	65	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	30	41	35	30	40	34	30	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11048	11048	11048
5°	11114	11059	11021
10°	11061	11010	10960
15°	10955	10916	10884
20°	10811	10778	10719
25°	10613	10572	10428
30°	10341	10290	9917
35°	9985	9877	9158
40°	9582	9297	8220
45°	9090	8589	7166
50°	8550	7759	6105
55°	7967	6864	5294
60°	7339	5999	4596
65°	6687	5232	4025
70°	6046	4468	3486
75°	5305	3813	3069
80°	4723	3184	2611
85°	4061	2356	1927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	4.2
10°-20°	229.6	11.9
20°-30°	339.2	17.5
30°-40°	383.4	19.8
40°-50°	351.8	18.2
50°-60°	269.1	13.9
60°-70°	173.5	9.0
70°-80°	86.3	4.5
80°-90°	21.1	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°	649.5	33.6
0°-40°	1032.9	53.4
0°-60°	1653.8	85.5
0°-90°	1934.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1934.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	857	848	853	850	850	81
15°	819	812	816	814	814	231
25°	745	738	742	734	732	343
35°	633	630	626	595	581	396
45°	498	496	470	415	392	384
55°	354	349	305	251	235	316
65°	219	209	171	140	132	218
75°	106	96	76	65	62	115
85°	27	20	16	14	13	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	855.3	855.3	855.3	855.3	855.3
2.5°	860.6	851.4	855.8	853.8	849.5
5°	857.2	848.1	852.9	850.0	850.0
7.5°	851.4	842.8	847.6	844.7	844.7
10°	843.3	834.6	839.4	836.5	835.6
12.5°	832.2	824.0	829.3	826.0	826.0
15°	819.2	811.5	816.3	814.4	813.9
17.5°	804.3	796.6	801.0	798.6	798.1
20°	786.5	779.3	784.1	779.3	779.8
22.5°	766.8	760.1	763.9	757.2	757.7
25°	744.7	737.5	741.8	733.7	731.7
27.5°	720.2	713.9	716.8	705.8	701.0
30°	693.3	688.0	689.9	673.6	664.9
32.5°	664.4	660.1	659.1	636.1	624.5
35°	633.2	630.3	626.4	595.2	580.8
37.5°	602.4	598.1	591.3	551.4	535.1
40°	568.3	565.4	551.4	506.7	487.5
42.5°	533.7	531.3	512.0	461.1	439.9
45°	497.6	496.2	470.2	414.9	392.3
47.5°	462.0	460.1	428.4	369.2	346.6
50°	425.5	422.6	386.1	325.5	303.8
52.5°	389.4	386.5	345.2	287.0	268.3
55°	353.8	349.0	304.8	251.0	235.1
57.5°	318.3	311.5	267.8	219.2	203.8
60°	284.1	276.0	232.2	190.4	177.9
62.5°	251.9	241.8	201.4	165.4	152.9
65°	218.8	208.7	171.2	140.4	131.7
67.5°	188.9	177.4	144.2	119.2	110.6
70°	160.1	148.1	118.3	99.0	92.3
72.5°	134.1	120.7	96.6	81.3	76.4
75°	106.3	95.7	76.4	64.9	61.5
77.5°	84.6	73.1	58.7	50.0	48.1
80°	63.5	52.9	42.8	37.0	35.1
82.5°	44.2	35.1	28.4	24.5	23.6
85°	27.4	20.2	15.9	13.5	13.0
87.5°	12.0	7.2	5.8	5.3	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)