

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: P274241

Luminaire Tested: **R6-WL-20L830-LD5-UNV-4-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274241
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1808-915-1)
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-4-STD
Description: CORELITE R6 LINEAR PRISMATIC LENS LED LUMINAIRE
6" x 4'
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1995.3 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 0.42' x L: 4' x H: 0')
CIE Type: Direct

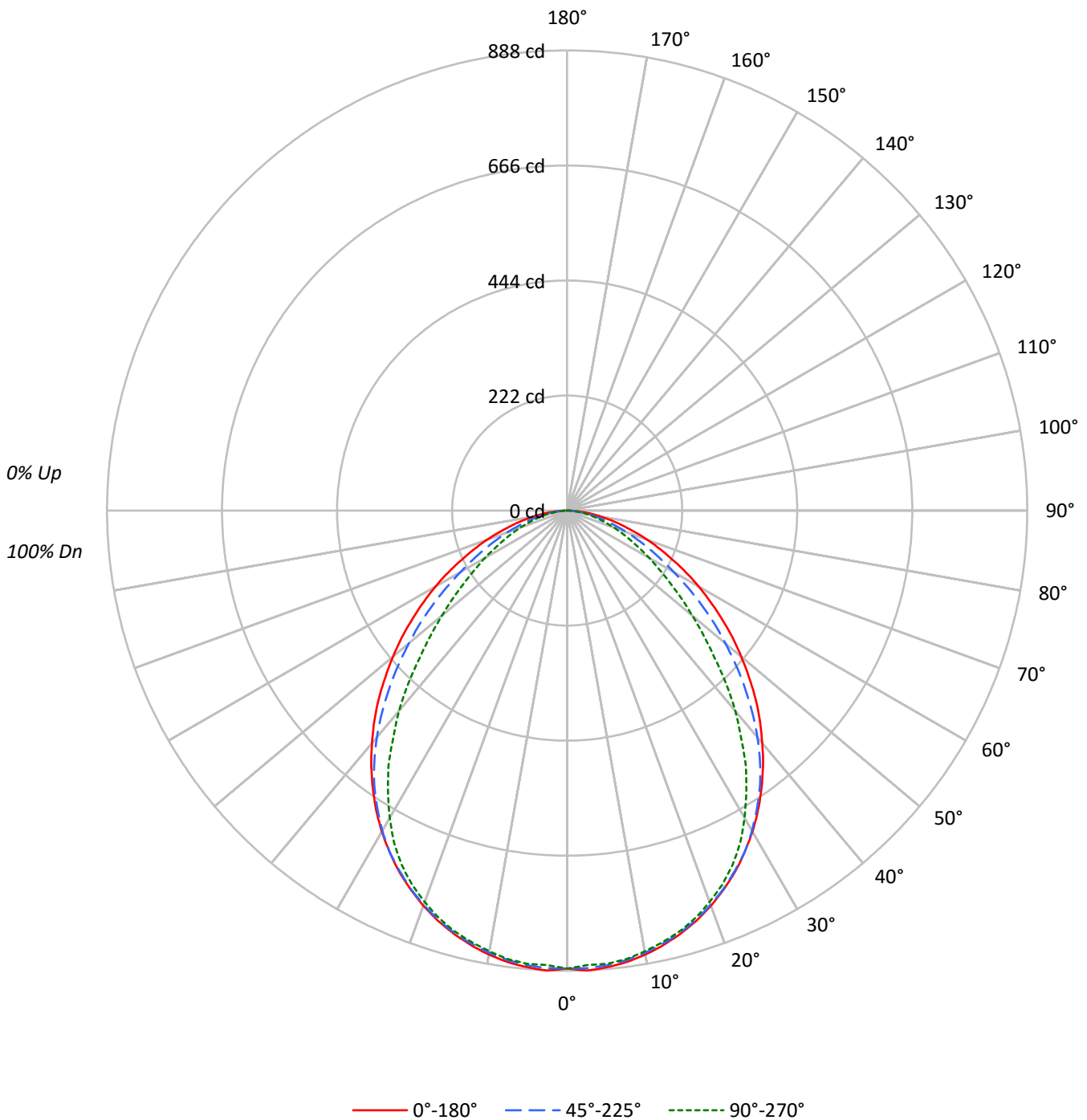
Input Watts (W): 16.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5707	5707	5707
5°	5735	5710	5691
10°	5707	5681	5663
15°	5651	5638	5619
20°	5577	5564	5524
25°	5475	5461	5379
30°	5335	5321	5105
35°	5155	5117	4738
40°	4937	4816	4256
45°	4698	4435	3680
50°	4406	4000	3169
55°	4103	3551	2717
60°	3788	3068	2373
65°	3423	2674	2057
70°	3104	2306	1817
75°	2735	1966	1585
80°	2432	1610	1358
85°	2067	1208	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	4.2
10°-20°	237.0	11.9
20°-30°	350.1	17.5
30°-40°	395.8	19.8
40°-50°	363.0	18.2
50°-60°	277.6	13.9
60°-70°	177.9	8.9
70°-80°	88.8	4.5
80°-90°	21.6	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
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0°-30°	670.5	33.6
0°-40°	1066.4	53.4
0°-60°	1707.0	85.5
0°-90°	1995.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1995.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	885	876	881	878	878	84
15°	845	838	843	840	840	238
25°	768	762	766	757	755	353
35°	654	650	649	614	601	408
45°	514	512	486	428	403	396
55°	364	361	315	258	241	326
65°	224	214	175	143	135	224
75°	110	99	79	67	64	118
85°	28	20	16	14	14	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	883.7	883.7	883.7	883.7	883.7
2.5°	888.5	878.8	883.7	881.7	877.9
5°	884.6	876.0	880.8	877.9	877.9
7.5°	878.8	870.2	875.0	872.1	873.1
10°	870.2	861.5	866.3	863.5	863.5
12.5°	858.7	851.0	855.8	851.9	852.9
15°	845.2	837.5	843.3	840.4	840.4
17.5°	829.8	823.1	827.9	824.0	824.0
20°	811.5	804.8	809.6	803.8	803.8
22.5°	790.4	784.6	789.4	781.7	781.7
25°	768.3	761.5	766.3	756.7	754.8
27.5°	742.3	736.5	742.3	728.8	723.1
30°	715.4	709.6	713.5	695.2	684.6
32.5°	685.6	681.7	681.7	655.8	643.3
35°	653.8	650.0	649.0	613.5	601.0
37.5°	621.2	617.3	611.5	569.2	551.0
40°	585.6	582.7	571.2	523.1	504.8
42.5°	551.0	548.1	528.8	476.0	454.8
45°	514.4	511.5	485.6	427.9	402.9
47.5°	476.0	474.0	442.3	380.8	357.7
50°	438.5	435.6	398.1	335.6	315.4
52.5°	401.9	399.0	357.7	296.2	276.9
55°	364.4	360.6	315.4	257.7	241.3
57.5°	327.9	322.1	276.0	226.0	209.6
60°	293.3	285.6	237.5	194.2	183.7
62.5°	258.7	249.0	204.8	169.2	156.7
65°	224.0	214.4	175.0	143.3	134.6
67.5°	193.3	181.7	147.1	122.1	114.4
70°	164.4	151.9	122.1	101.9	96.2
72.5°	135.6	124.0	99.0	83.7	78.8
75°	109.6	99.0	78.8	67.3	63.5
77.5°	87.5	75.0	60.6	51.9	50.0
80°	65.4	53.8	43.3	38.5	36.5
82.5°	46.2	35.6	28.8	25.0	24.0
85°	27.9	20.2	16.3	14.4	13.5
87.5°	13.5	7.7	5.8	5.8	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)