

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: P274249

Luminaire Tested: **R6-WL-20L835-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274249
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-20L835-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: 2012.0 lumens
Efficiency: N/A
Efficacy: 115.6 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

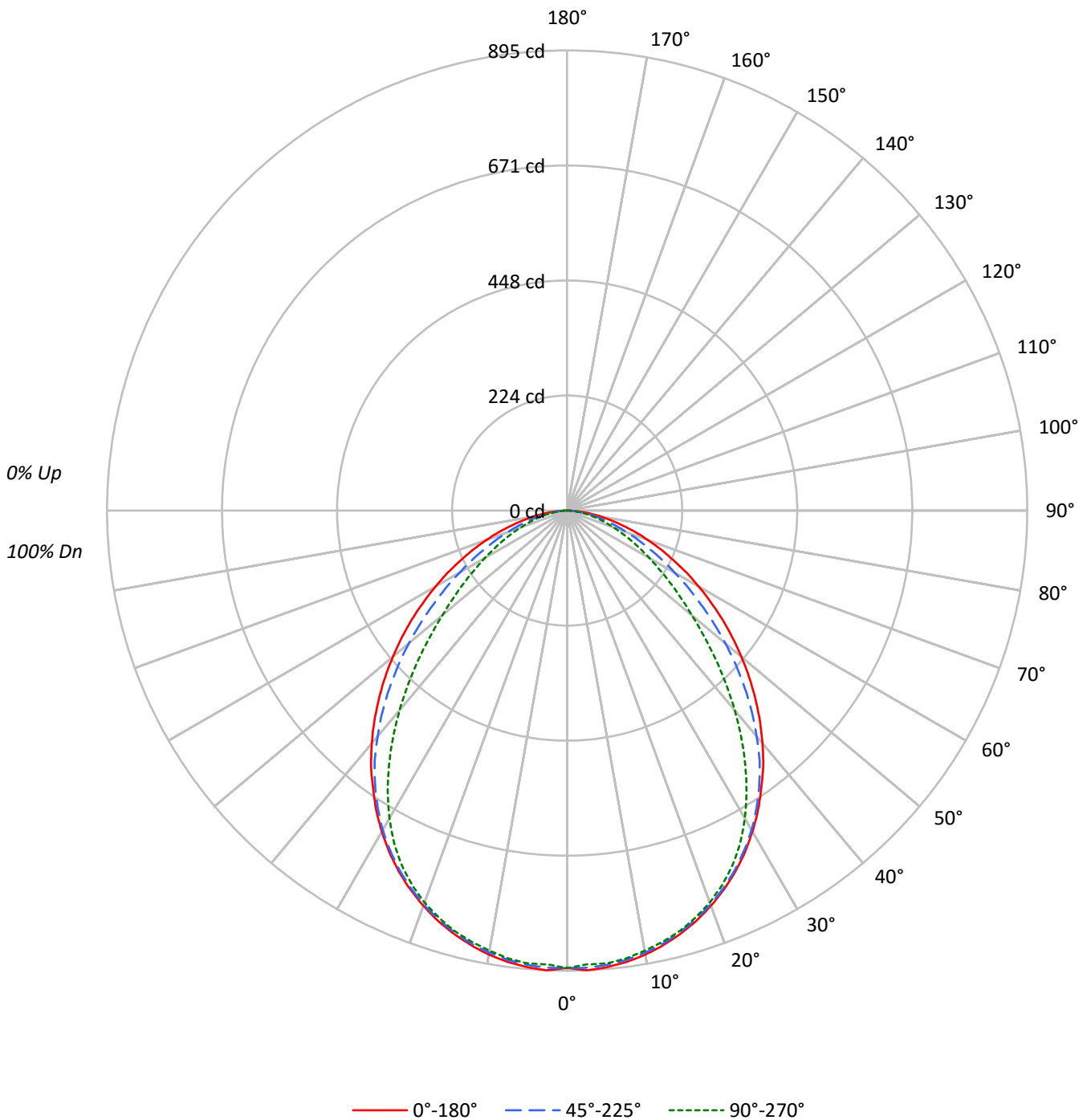
Input Watts (W): 17.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	77	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	65	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	30	41	35	30	40	34	30	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11489	11489	11489
5°	11559	11501	11462
10°	11503	11450	11398
15°	11393	11353	11320
20°	11244	11210	11148
25°	11038	10995	10846
30°	10754	10701	10314
35°	10383	10273	9524
40°	9965	9670	8549
45°	9453	8933	7453
50°	8892	8068	6350
55°	8287	7139	5506
60°	7634	6239	4779
65°	6953	5440	4187
70°	6288	4645	3626
75°	5515	3968	3194
80°	4909	3310	2715
85°	4224	2445	2001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	4.2
10°-20°	238.7	11.9
20°-30°	352.7	17.5
30°-40°	398.7	19.8
40°-50°	365.9	18.2
50°-60°	279.8	13.9
60°-70°	180.4	9.0
70°-80°	89.7	4.5
80°-90°	21.9	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°	675.5	33.6
0°-40°	1074.2	53.4
0°-60°	1720.0	85.5
0°-90°	2012.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2012.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	890	890	890	890	890	
5°	892	882	887	884	884	85
15°	852	844	849	847	846	240
25°	774	767	772	763	761	356
35°	658	656	652	619	604	412
45°	518	516	489	432	408	399
55°	368	363	317	261	244	329
65°	228	217	178	146	137	227
75°	110	100	80	68	64	120
85°	28	21	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°	889.5	889.5	889.5	889.5	889.5
2.5°	895.0	885.5	890.0	888.0	883.5
5°	891.5	882.0	887.0	884.0	884.0
7.5°	885.5	876.5	881.5	878.5	878.5
10°	877.0	868.0	873.0	870.0	869.0
12.5°	865.5	857.0	862.5	859.0	859.0
15°	852.0	844.0	849.0	847.0	846.5
17.5°	836.5	828.5	833.0	830.5	830.0
20°	818.0	810.5	815.5	810.5	811.0
22.5°	797.5	790.5	794.5	787.5	788.0
25°	774.5	767.0	771.5	763.0	761.0
27.5°	749.0	742.5	745.5	734.0	729.0
30°	721.0	715.5	717.5	700.5	691.5
32.5°	691.0	686.5	685.5	661.5	649.5
35°	658.5	655.5	651.5	619.0	604.0
37.5°	626.5	622.0	615.0	573.5	556.5
40°	591.0	588.0	573.5	527.0	507.0
42.5°	555.0	552.5	532.5	479.5	457.5
45°	517.5	516.0	489.0	431.5	408.0
47.5°	480.5	478.5	445.5	384.0	360.5
50°	442.5	439.5	401.5	338.5	316.0
52.5°	405.0	402.0	359.0	298.5	279.0
55°	368.0	363.0	317.0	261.0	244.5
57.5°	331.0	324.0	278.5	228.0	212.0
60°	295.5	287.0	241.5	198.0	185.0
62.5°	262.0	251.5	209.5	172.0	159.0
65°	227.5	217.0	178.0	146.0	137.0
67.5°	196.5	184.5	150.0	124.0	115.0
70°	166.5	154.0	123.0	103.0	96.0
72.5°	139.5	125.5	100.5	84.5	79.5
75°	110.5	99.5	79.5	67.5	64.0
77.5°	88.0	76.0	61.0	52.0	50.0
80°	66.0	55.0	44.5	38.5	36.5
82.5°	46.0	36.5	29.5	25.5	24.5
85°	28.5	21.0	16.5	14.0	13.5
87.5°	12.5	7.5	6.0	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)