

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: P274239

Luminaire Tested: **R6-WL-10L835-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274239
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-10L835-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: 1037.6 lumens
Efficiency: N/A
Efficacy: 126.5 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

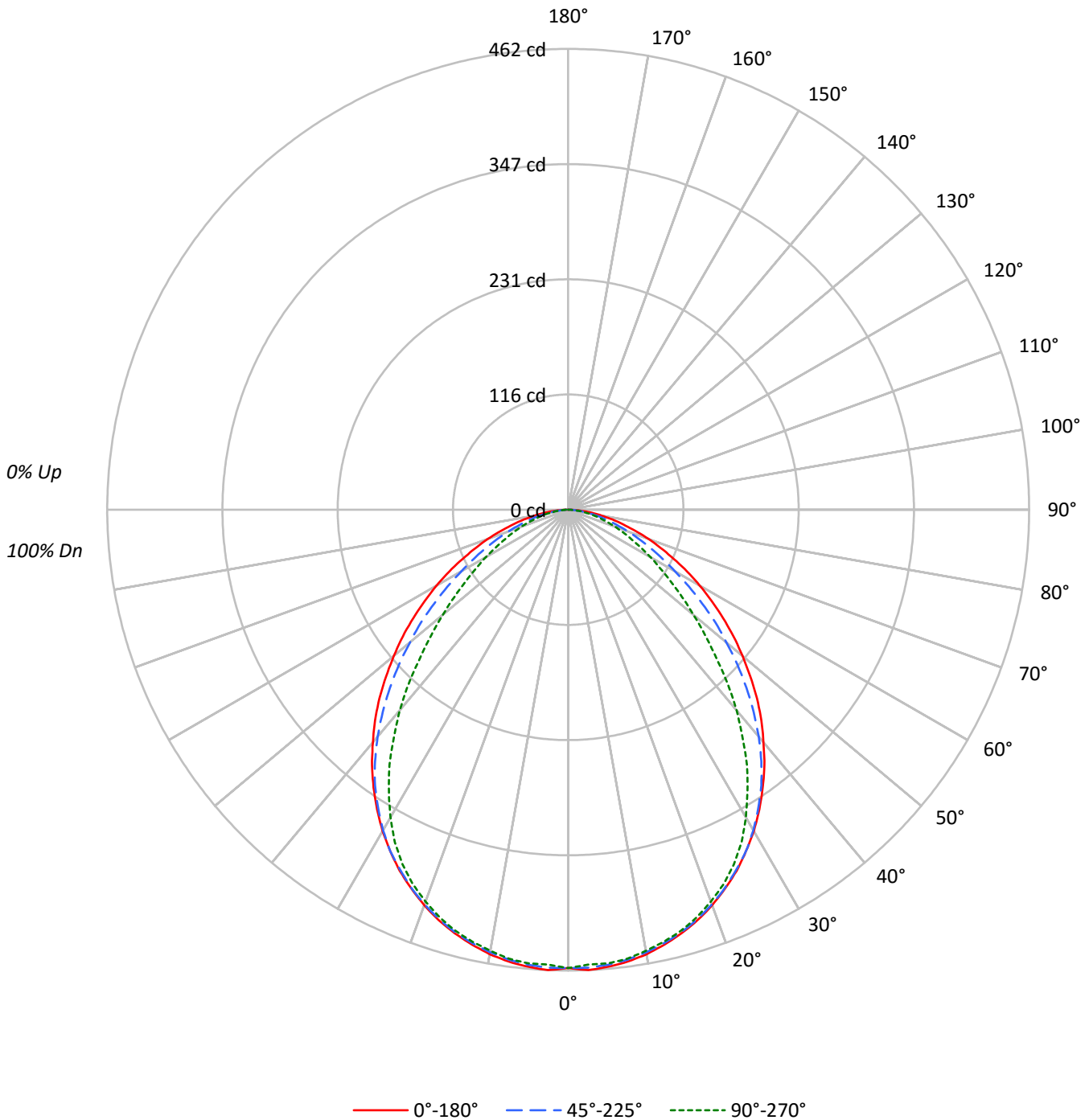
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	5935	5935	5935
5°	5964	5938	5919
10°	5935	5909	5889
15°	5877	5864	5844
20°	5801	5787	5746
25°	5694	5679	5594
30°	5548	5533	5310
35°	5361	5322	4928
40°	5134	5008	4426
45°	4886	4612	3827
50°	4582	4160	3296
55°	4267	3693	2826
60°	3940	3190	2467
65°	3561	2781	2139
70°	3229	2398	1888
75°	2845	2046	1647
80°	2529	1674	1413
85°	2149	1260	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	4.2
10°-20°	123.2	11.9
20°-30°	182.1	17.5
30°-40°	205.8	19.8
40°-50°	188.8	18.2
50°-60°	144.3	13.9
60°-70°	92.5	8.9
70°-80°	46.2	4.5
80°-90°	11.3	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°	348.7	33.6
0°-40°	554.5	53.4
0°-60°	887.6	85.5
0°-90°	1037.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	460	460	460	460	460	
5°	460	456	458	456	456	44
15°	440	436	438	437	437	124
25°	400	396	398	394	392	184
35°	340	338	338	319	312	212
45°	268	266	252	222	210	206
55°	190	188	164	134	126	170
65°	116	112	91	74	70	116
75°	57	52	41	35	33	61
85°	14	10	8	8	7	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	459.5	459.5	459.5	459.5	459.5
2.5°	462.0	457.0	459.5	458.5	456.5
5°	460.0	455.5	458.0	456.5	456.5
7.5°	457.0	452.5	455.0	453.5	454.0
10°	452.5	448.0	450.5	449.0	449.0
12.5°	446.5	442.5	445.0	443.0	443.5
15°	439.5	435.5	438.5	437.0	437.0
17.5°	431.5	428.0	430.5	428.5	428.5
20°	422.0	418.5	421.0	418.0	418.0
22.5°	411.0	408.0	410.5	406.5	406.5
25°	399.5	396.0	398.5	393.5	392.5
27.5°	386.0	383.0	386.0	379.0	376.0
30°	372.0	369.0	371.0	361.5	356.0
32.5°	356.5	354.5	354.5	341.0	334.5
35°	340.0	338.0	337.5	319.0	312.5
37.5°	323.0	321.0	318.0	296.0	286.5
40°	304.5	303.0	297.0	272.0	262.5
42.5°	286.5	285.0	275.0	247.5	236.5
45°	267.5	266.0	252.5	222.5	209.5
47.5°	247.5	246.5	230.0	198.0	186.0
50°	228.0	226.5	207.0	174.5	164.0
52.5°	209.0	207.5	186.0	154.0	144.0
55°	189.5	187.5	164.0	134.0	125.5
57.5°	170.5	167.5	143.5	117.5	109.0
60°	152.5	148.5	123.5	101.0	95.5
62.5°	134.5	129.5	106.5	88.0	81.5
65°	116.5	111.5	91.0	74.5	70.0
67.5°	100.5	94.5	76.5	63.5	59.5
70°	85.5	79.0	63.5	53.0	50.0
72.5°	70.5	64.5	51.5	43.5	41.0
75°	57.0	51.5	41.0	35.0	33.0
77.5°	45.5	39.0	31.5	27.0	26.0
80°	34.0	28.0	22.5	20.0	19.0
82.5°	24.0	18.5	15.0	13.0	12.5
85°	14.5	10.5	8.5	7.5	7.0
87.5°	7.0	4.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)