

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: P274240

Luminaire Tested: **R6-WL-10L840-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274240
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-10L840-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: 1057.5 lumens
Efficiency: N/A
Efficacy: 129.0 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

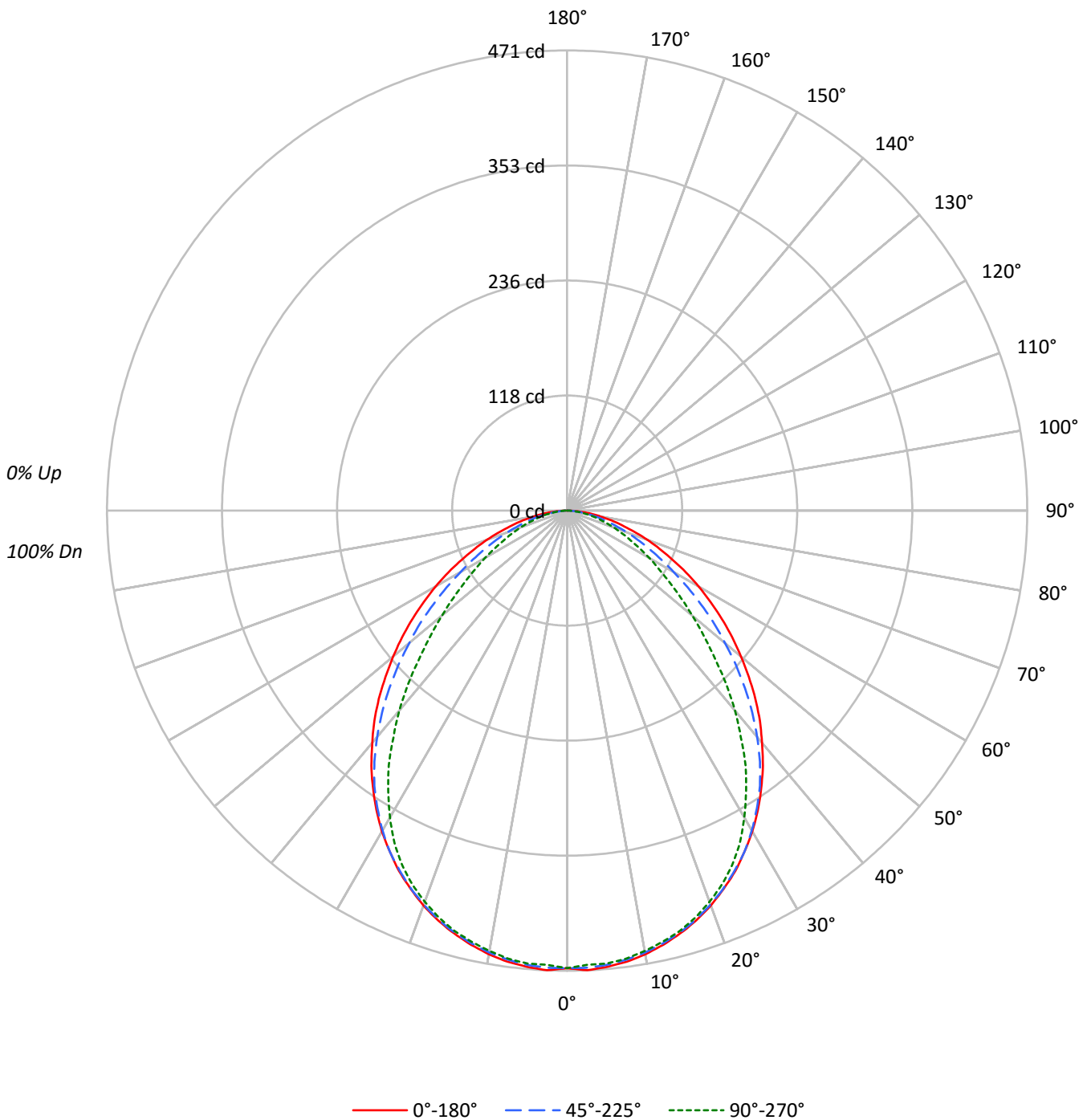
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	6049	6049	6049
5°	6078	6053	6033
10°	6049	6023	6002
15°	5991	5976	5956
20°	5912	5898	5856
25°	5803	5789	5701
30°	5656	5639	5411
35°	5464	5424	5022
40°	5234	5104	4510
45°	4980	4702	3900
50°	4670	4240	3360
55°	4349	3765	2880
60°	4015	3252	2514
65°	3628	2833	2179
70°	3289	2443	1926
75°	2900	2086	1677
80°	2581	1703	1443
85°	2193	1289	1052



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	4.2
10°-20°	125.6	11.9
20°-30°	185.6	17.5
30°-40°	209.8	19.8
40°-50°	192.4	18.2
50°-60°	147.1	13.9
60°-70°	94.3	8.9
70°-80°	47.1	4.5
80°-90°	11.5	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°	355.4	33.6
0°-40°	565.2	53.4
0°-60°	904.7	85.5
0°-90°	1057.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1057.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	468	468	468	468	468	
5°	469	464	467	465	465	45
15°	448	444	447	445	445	126
25°	407	404	406	401	400	187
35°	346	344	344	325	318	217
45°	273	271	257	227	214	210
55°	193	191	167	137	128	173
65°	119	114	93	76	71	119
75°	58	52	42	36	34	63
85°	15	11	9	8	7	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	468.3	468.3	468.3	468.3	468.3
2.5°	470.9	465.8	468.3	467.3	465.3
5°	468.8	464.3	466.8	465.3	465.3
7.5°	465.8	461.2	463.7	462.2	462.7
10°	461.2	456.6	459.2	457.6	457.6
12.5°	455.1	451.0	453.6	451.5	452.0
15°	448.0	443.9	446.9	445.4	445.4
17.5°	439.8	436.2	438.8	436.7	436.7
20°	430.1	426.5	429.1	426.0	426.0
22.5°	418.9	415.8	418.4	414.3	414.3
25°	407.2	403.6	406.2	401.1	400.0
27.5°	393.4	390.4	393.4	386.3	383.2
30°	379.2	376.1	378.1	368.5	362.8
32.5°	363.4	361.3	361.3	347.6	340.9
35°	346.5	344.5	344.0	325.1	318.5
37.5°	329.2	327.2	324.1	301.7	292.0
40°	310.4	308.8	302.7	277.2	267.5
42.5°	292.0	290.5	280.3	252.3	241.0
45°	272.6	271.1	257.4	226.8	213.5
47.5°	252.3	251.2	234.4	201.8	189.6
50°	232.4	230.9	211.0	177.9	167.2
52.5°	213.0	211.5	189.6	157.0	146.8
55°	193.1	191.1	167.2	136.6	127.9
57.5°	173.8	170.7	146.3	119.8	111.1
60°	155.4	151.4	125.9	102.9	97.3
62.5°	137.1	132.0	108.5	89.7	83.1
65°	118.7	113.6	92.7	75.9	71.3
67.5°	102.4	96.3	78.0	64.7	60.6
70°	87.1	80.5	64.7	54.0	51.0
72.5°	71.9	65.7	52.5	44.3	41.8
75°	58.1	52.5	41.8	35.7	33.6
77.5°	46.4	39.7	32.1	27.5	26.5
80°	34.7	28.5	22.9	20.4	19.4
82.5°	24.5	18.9	15.3	13.2	12.7
85°	14.8	10.7	8.7	7.6	7.1
87.5°	7.1	4.1	3.1	3.1	3.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)