

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: P274238

Luminaire Tested: **R6-WL-10L830-LD5-UNV-2-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P274238
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-10L830-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: 997.7 lumens
Efficiency: N/A
Efficacy: 121.7 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

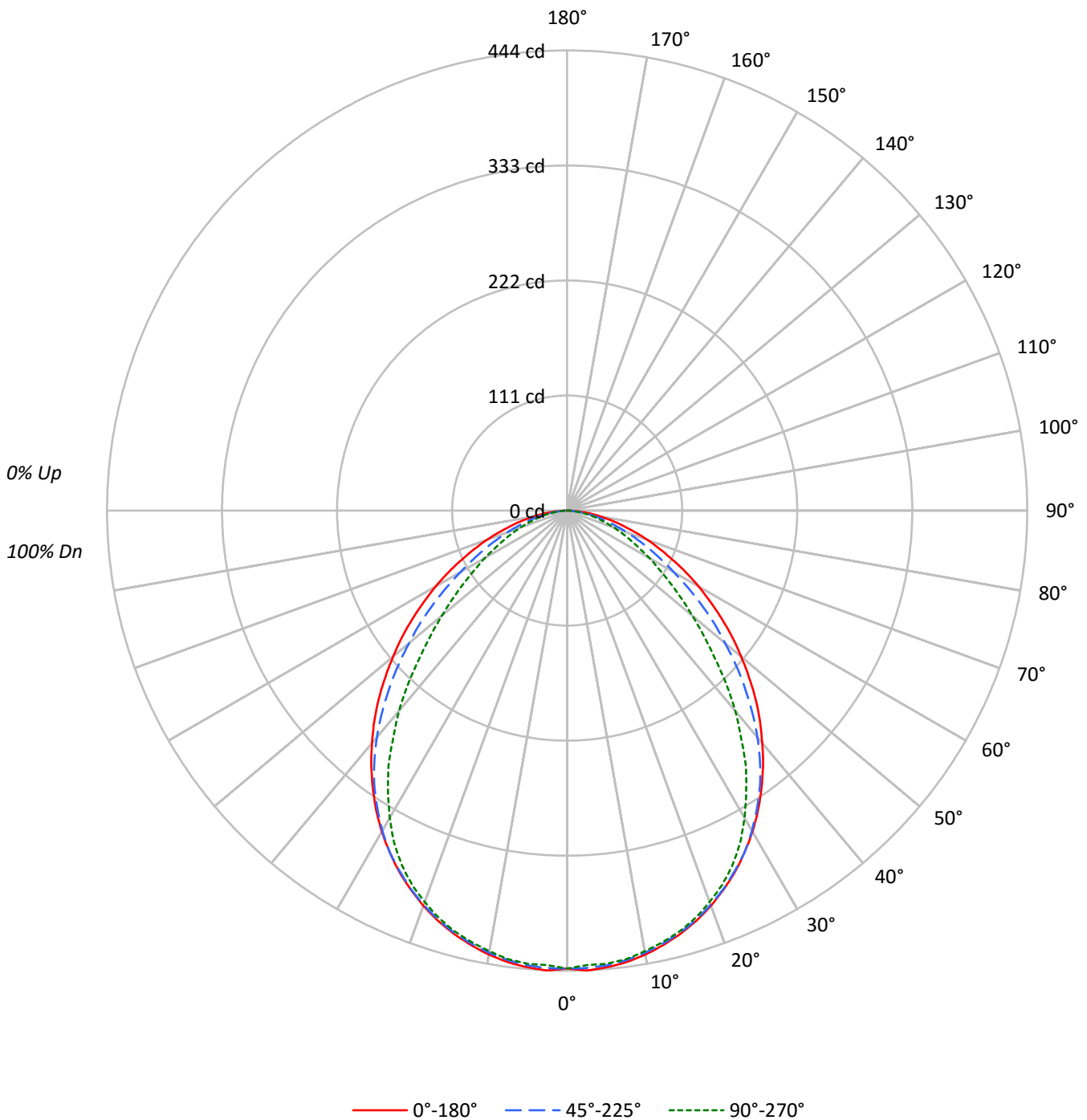
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	5707	5707	5707
5°	5735	5710	5691
10°	5707	5682	5662
15°	5651	5638	5619
20°	5578	5564	5524
25°	5474	5461	5379
30°	5335	5320	5105
35°	5155	5117	4738
40°	4937	4816	4256
45°	4698	4435	3679
50°	4405	3999	3169
55°	4103	3551	2718
60°	3787	3066	2372
65°	3423	2674	2057
70°	3104	2307	1817
75°	2735	1966	1582
80°	2432	1607	1361
85°	2060	1215	993



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.7	4.2
10°-20°	118.5	11.9
20°-30°	175.1	17.5
30°-40°	197.9	19.8
40°-50°	181.5	18.2
50°-60°	138.8	13.9
60°-70°	88.9	8.9
70°-80°	44.4	4.5
80°-90°	10.8	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°	335.3	33.6
0°-40°	533.2	53.4
0°-60°	853.5	85.5
0°-90°	997.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	442	438	440	439	439	42
15°	423	419	422	420	420	119
25°	384	381	383	378	377	177
35°	327	325	324	307	300	204
45°	257	256	243	214	201	198
55°	182	180	158	129	121	163
65°	112	107	88	72	67	112
75°	55	50	39	34	32	59
85°	14	10	8	7	7	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.8	441.8	441.8	441.8	441.8
2.5°	444.2	439.4	441.8	440.9	438.9
5°	442.3	438.0	440.4	438.9	438.9
7.5°	439.4	435.1	437.5	436.1	436.5
10°	435.1	430.8	433.2	431.7	431.7
12.5°	429.3	425.5	427.9	426.0	426.4
15°	422.6	418.7	421.6	420.2	420.2
17.5°	414.9	411.5	413.9	412.0	412.0
20°	405.8	402.4	404.8	401.9	401.9
22.5°	395.2	392.3	394.7	390.9	390.9
25°	384.1	380.8	383.2	378.4	377.4
27.5°	371.2	368.3	371.2	364.4	361.5
30°	357.7	354.8	356.7	347.6	342.3
32.5°	342.8	340.9	340.9	327.9	321.6
35°	326.9	325.0	324.5	306.7	300.5
37.5°	310.6	308.7	305.8	284.6	275.5
40°	292.8	291.3	285.6	261.5	252.4
42.5°	275.5	274.0	264.4	238.0	227.4
45°	257.2	255.8	242.8	213.9	201.4
47.5°	238.0	237.0	221.2	190.4	178.8
50°	219.2	217.8	199.0	167.8	157.7
52.5°	201.0	199.5	178.8	148.1	138.5
55°	182.2	180.3	157.7	128.8	120.7
57.5°	163.9	161.1	138.0	113.0	104.8
60°	146.6	142.8	118.7	97.1	91.8
62.5°	129.3	124.5	102.4	84.6	78.4
65°	112.0	107.2	87.5	71.6	67.3
67.5°	96.6	90.9	73.6	61.1	57.2
70°	82.2	76.0	61.1	51.0	48.1
72.5°	67.8	62.0	49.5	41.8	39.4
75°	54.8	49.5	39.4	33.7	31.7
77.5°	43.7	37.5	30.3	26.0	25.0
80°	32.7	26.9	21.6	19.2	18.3
82.5°	23.1	17.8	14.4	12.5	12.0
85°	13.9	10.1	8.2	7.2	6.7
87.5°	6.7	3.8	2.9	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)