Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: LUMIERE

Report Number: P220739

Luminaire Tested: **9004-W1-[RW, RI]-LED5080-M-WT-L1-UNV**

Issue Date: 3/3/2020

Report Generated By E9808136 / USAU2WHP6039969

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P220739
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29488)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	LUMIERE
Catalog Number:	9004-W1-[RW, RI]-LED5080-M-WT-L1-UNV
Description:	LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source:	(1) 5000K CCT, 80 CRI LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1149.9 lumens
Efficiency:	N/A
Efficacy:	117.3 lumens/watt
Spacing Criteria (0/90/45):	0.43 / 0.43 / 0.44
Luminous Opening:	Circular (Dia: 0.33' x H: 0')
CIE Type:	Direct

Input Watts (W):	9.8
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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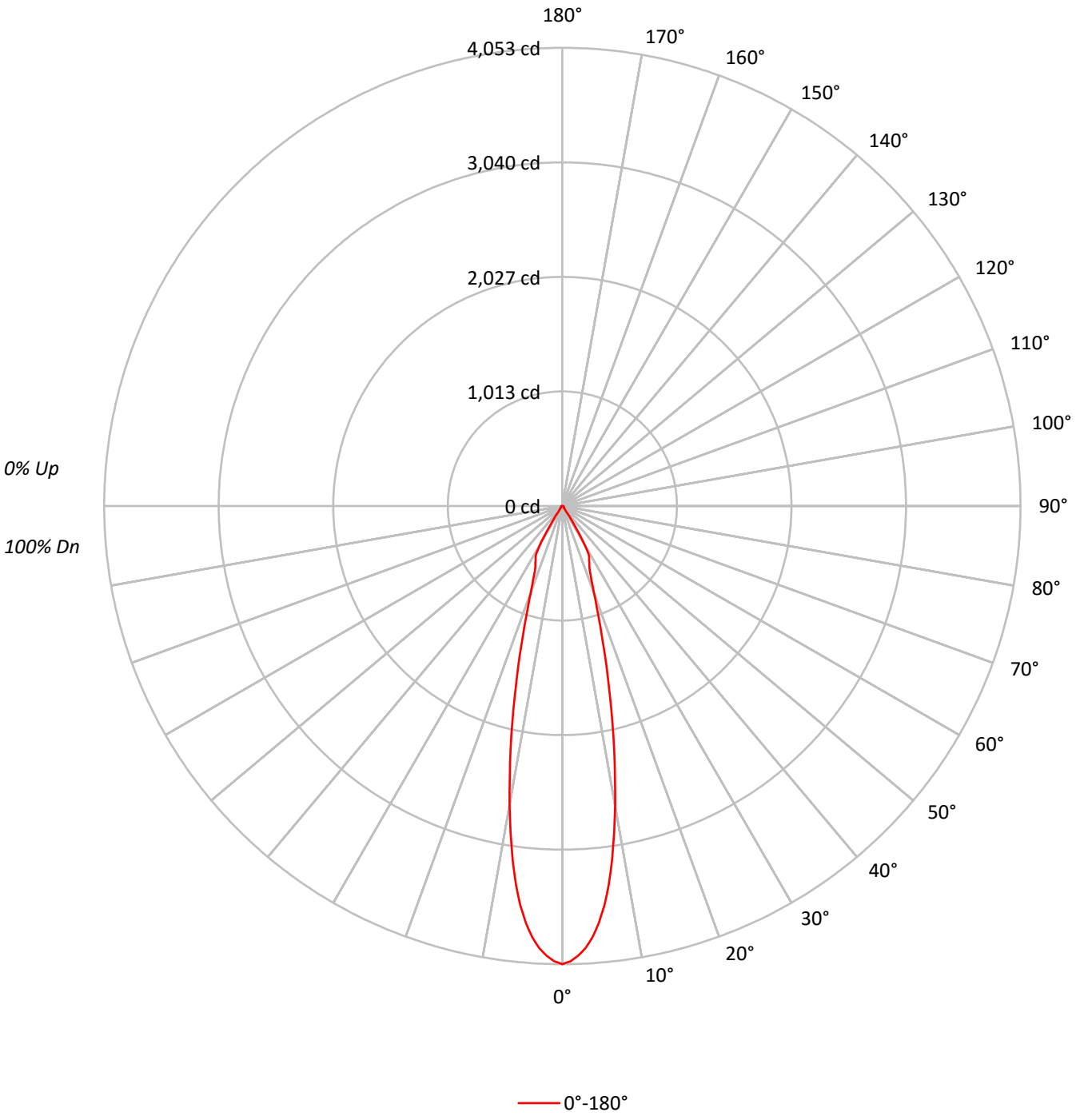
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	102	99	107	104	100	98	100	98	95	97	95	93	95	93	92	90
3	105	100	95	92	103	98	94	91	96	93	90	94	91	89	91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76
7	91	83	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68
10	83	75	70	67	82	74	70	67	74	70	67	73	69	67	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	499932
5°	458444
10°	336417
15°	197036
20°	107503
25°	76595
30°	56658
35°	8176
40°	4476
45°	3175
50°	3243
55°	3355
60°	3750
65°	4174
70°	4869
75°	6005
80°	7103
85°	6793

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.5	27.9
10°-20°	429.1	37.3
20°-30°	264.9	23.0
30°-40°	73.8	6.4
40°-50°	14.9	1.3
50°-60°	14.2	1.2
60°-70°	14.3	1.2
70°-80°	12.9	1.1
80°-90°	5.4	0.5
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°	1014.4	88.2
0°-40°	1088.2	94.6
0°-60°	1117.3	97.2
0°-90°	1149.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1149.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4053	
5°	3703	320
15°	1543	429
25°	563	265
35°	54	74
45°	18	15
55°	16	14
65°	14	14
75°	13	13
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	4053.1
1°	4027.9
2°	3981.4
3°	3915.4
4°	3824.6
5°	3702.6
6°	3551.5
7°	3371.7
8°	3157.2
9°	2926.6
10°	2686.0
11°	2441.0
12°	2199.2
13°	1963.3
14°	1744.5
15°	1543.0
16°	1357.5
17°	1191.2
18°	1045.3
19°	920.7
20°	819.0
21°	735.2
22°	672.3
23°	624.5
24°	588.9
25°	562.8
26°	541.5
27°	522.9
28°	505.1
29°	465.1
30°	397.8
32.5°	192.8
35°	54.3
37.5°	37.3
40°	27.8
42.5°	19.5
45°	18.2
47.5°	17.4
50°	16.9
52.5°	16.1
55°	15.6
57.5°	15.6
60°	15.2
62.5°	15.2
65°	14.3

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*13.9*
70°	*13.5*
72.5°	*13.0*
75°	*12.6*
77.5°	*11.3*
80°	*10.0*
82.5°	*7.8*
85°	*4.8*
87.5°	*2.2*
90°	*0.0*

(END OF REPORT)