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: P220790

Luminaire Tested: **9004-W1-[RW, RI]-LED4080-W-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:	P220790
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29490)
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]-LED4080-W-WT-L1-UNV
Description:	LUMIERE LANTERRA 9004 LED WALL LUMINAIRE, RECESSED LENS, WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source:	(1) 4000K CCT, 80 CRI LED
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1085.9 lumens
Efficiency:	N/A
Efficacy:	110.8 lumens/watt
Spacing Criteria (0/90/45):	0.84 / 0.84 / 0.83
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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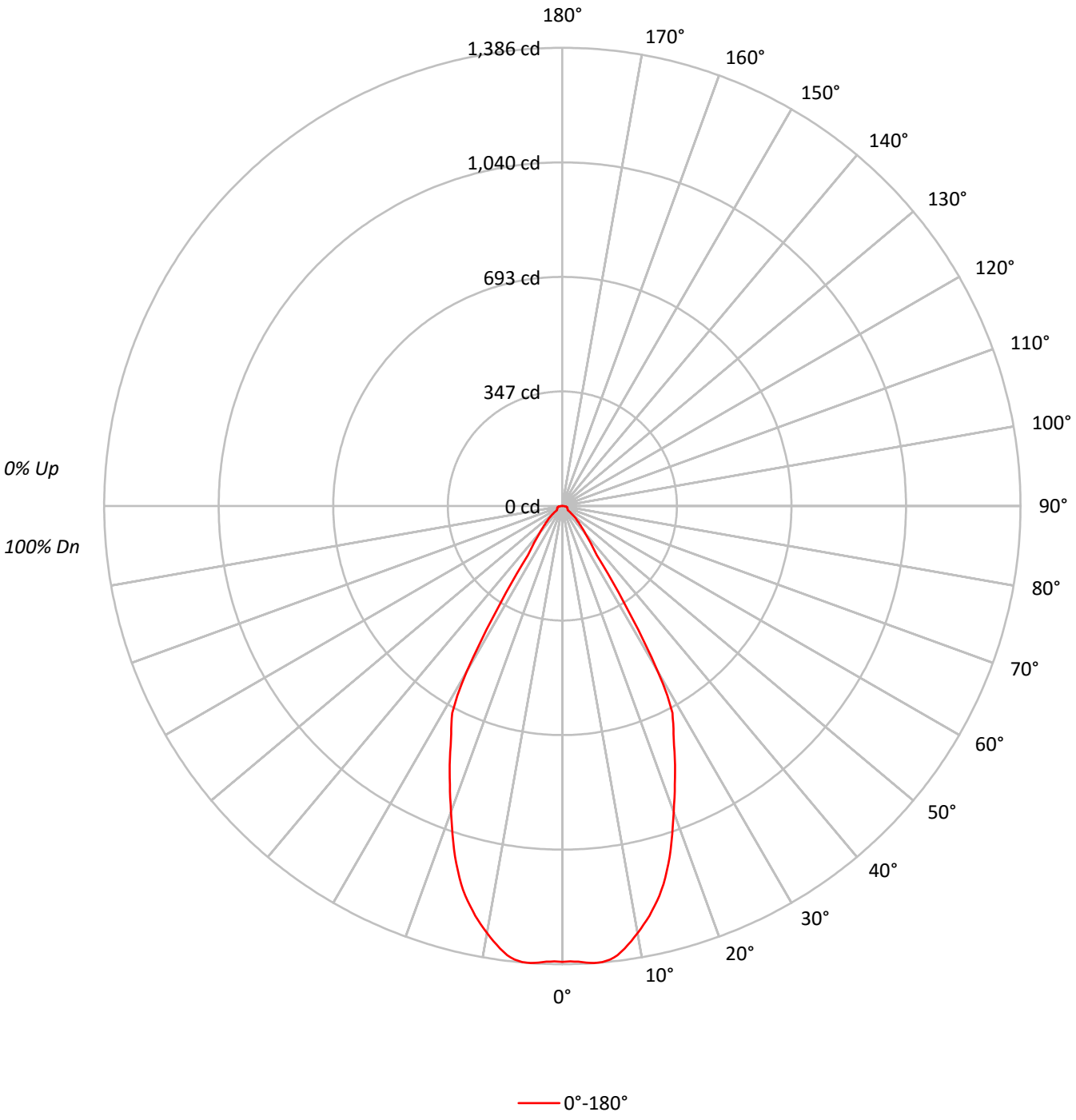
Luminous Intensity Polar Plot



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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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	98	95	105	101	97	94	97	94	91	94	92	90	92	89	88	86
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	69	86	78	73	68	77	72	68	75	71	68	74	70	67	66
7	84	75	69	64	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	170106
5°	171486
10°	164301
15°	151180
20°	129227
25°	108782
30°	82223
35°	27315
40°	17374
45°	11809
50°	6908
55°	4129
60°	4539
65°	4991
70°	5734
75°	6958
80°	8311
85°	8350

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	12.0
10°-20°	326.5	30.1
20°-30°	365.7	33.7
30°-40°	152.9	14.1
40°-50°	53.1	4.9
50°-60°	19.3	1.8
60°-70°	17.0	1.6
70°-80°	15.1	1.4
80°-90°	6.4	0.6
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°	822.1	75.7
0°-40°	975.0	89.8
0°-60°	1047.4	96.5
0°-90°	1085.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1085.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1379	
5°	1385	130
15°	1184	327
25°	799	366
35°	181	153
45°	68	53
55°	19	19
65°	17	17
75°	15	15
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1379.1
1°	1377.9
2°	1379.1
3°	1383.3
4°	1385.8
5°	1385.0
6°	1380.0
7°	1369.1
8°	1351.9
9°	1332.7
10°	1311.8
11°	1289.7
12°	1267.1
13°	1241.6
14°	1214.4
15°	1183.9
16°	1147.5
17°	1109.5
18°	1068.5
19°	1025.9
20°	984.5
21°	946.0
22°	908.8
23°	872.0
24°	836.1
25°	799.3
26°	767.1
27°	738.7
28°	709.4
29°	655.9
30°	577.3
32.5°	346.1
35°	181.4
37.5°	138.8
40°	107.9
42.5°	84.0
45°	67.7
47.5°	54.3
50°	36.0
52.5°	21.3
55°	19.2
57.5°	18.8
60°	18.4
62.5°	18.0
65°	17.1

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*16.3*
70°	*15.9*
72.5°	*15.5*
75°	*14.6*
77.5°	*13.4*
80°	*11.7*
82.5°	*9.2*
85°	*5.9*
87.5°	*2.5*
90°	*0.0*

(END OF REPORT)