

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: P253148

Luminaire Tested: **3002A-25LED4000-MFL-UNV-NBR**

Test Date: 11/19/12

Test Information

Test Method: LM-79-08
Report Number: P253148
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P22981)
Test Lab: INNOVATION CENTER P2
Test Date: 11/19/12
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 3002A-25LED4000-MFL-UNV-NBR
Description: LUMIERE MONACO INGRADE TEST FIXTURE WITH MEDIUM FLOOD OPTICS
Light Source: (7) 4000K CCT, 80 CRI LEDS
LBA-8057XPG2-4K
Ballast/Driver: -
ESS030W-1000-24-CPL

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1227.4 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
N/A
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Indirect

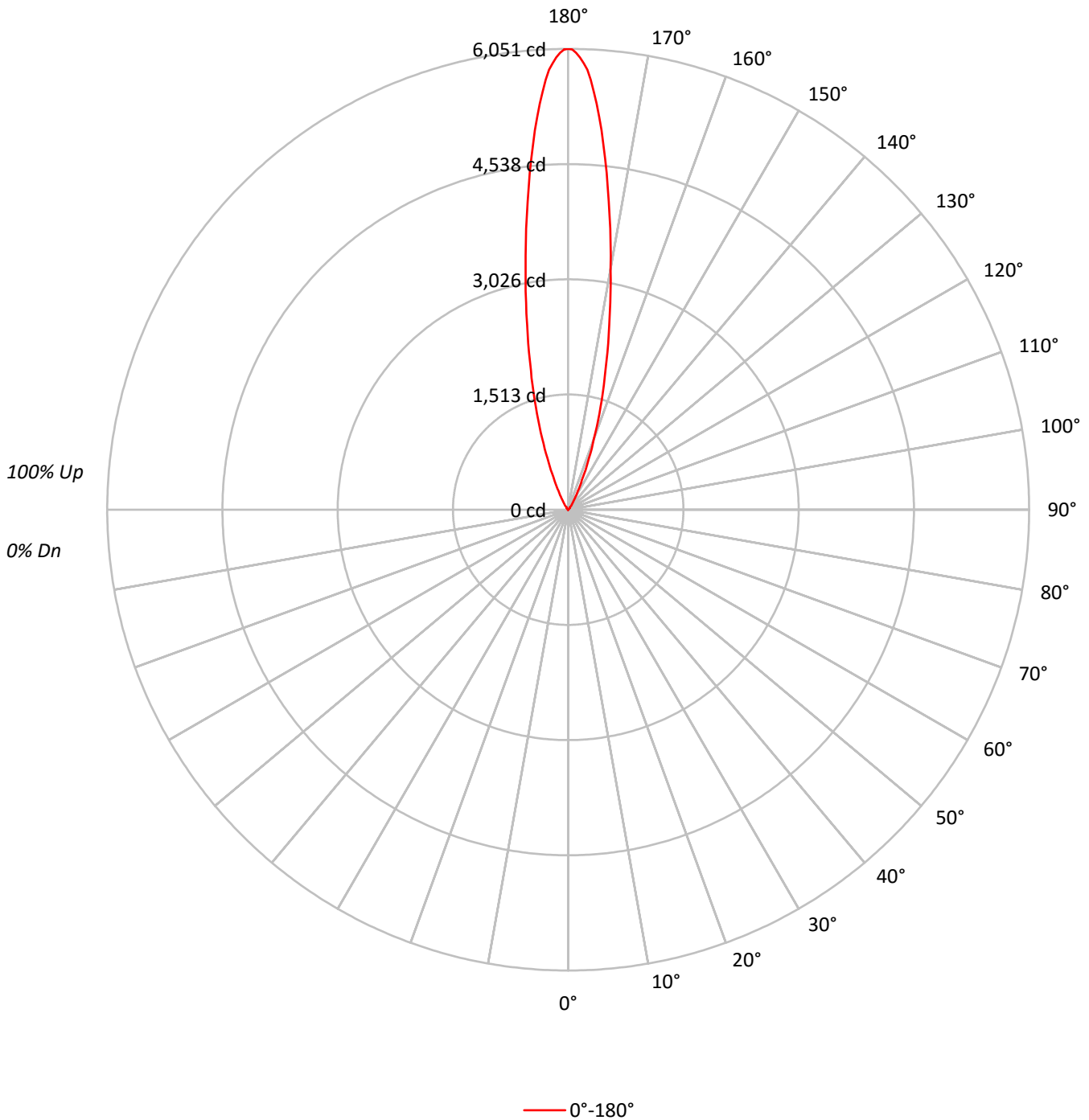
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	57	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

AVERAGE LUMINANCE (cd/sqm):

	0°
95°	0
100°	0
105°	387
110°	293
115°	237
120°	0
125°	175
130°	0
135°	1934
140°	3066
145°	6932
150°	14593
155°	33490
160°	75245
165°	140116
170°	233388
175°	359592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	0.0	0.0
20°-30°	0.0	0.0
30°-40°	0.0	0.0
40°-50°	0.0	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.8	0.1
100°-110°	0.9	0.1
110°-120°	1.9	0.2
120°-130°	0.9	0.1
130°-140°	10.0	0.8
140°-150°	52.0	4.2
150°-160°	214.7	17.5
160°-170°	527.4	43.0
170°-180°	419.2	34.2
0°-30°	0.0	0.0
0°-40°	0.0	0.0
0°-60°	0.0	0.0
0°-90°	0.0	0.0
90°-120°	3.6	0.3
90°-150°	66.5	5.4
90°-180°	1228.0	100.0
0°-180°	1227.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	1
105°	1	1
115°	1	2
125°	1	1
135°	19	10
145°	79	52
155°	424	215
165°	1890	527
175°	5003	419
180°	6051	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.4
100°	0.0
102.5°	1.4
105°	1.4
107.5°	0.0
110°	1.4
112.5°	4.1
115°	1.4
117.5°	1.4
120°	0.0
122.5°	1.4
125°	1.4
127.5°	1.4
130°	0.0
132.5°	0.0
135°	19.1
137.5°	17.8
140°	32.8
142.5°	41.0
145°	79.3
147.5°	117.6
150°	176.5
152.5°	277.7
155°	423.9
157.5°	664.7
160°	987.5
162.5°	1412.9
165°	1890.2
167.5°	2487.9
170°	3210.0
172.5°	4081.2
175°	5003.0
175.5°	5172.6
176°	5345.0
176.5°	5496.9
177°	5651.4
177.5°	5782.7
178°	5864.7
178.5°	5939.9
179°	6000.1
179.5°	6043.9
180°	6050.8

(END OF REPORT)