

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge or
Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: LUMIERE

Report Number: 19000

Luminaire Tested: **6002N-MH100PAR38-SP**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19000
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6002N-MH100PAR38-SP
Description: WITH PAR 38 SPOT LAMP AND TWO CLEAR GLASS LENS

Light Source: ONE SYLVANIA 100 W MH LAMP

MP100PAR38/U/SP20. LUMEN RATING = 5800 LMS.

Ballast/Driver: -

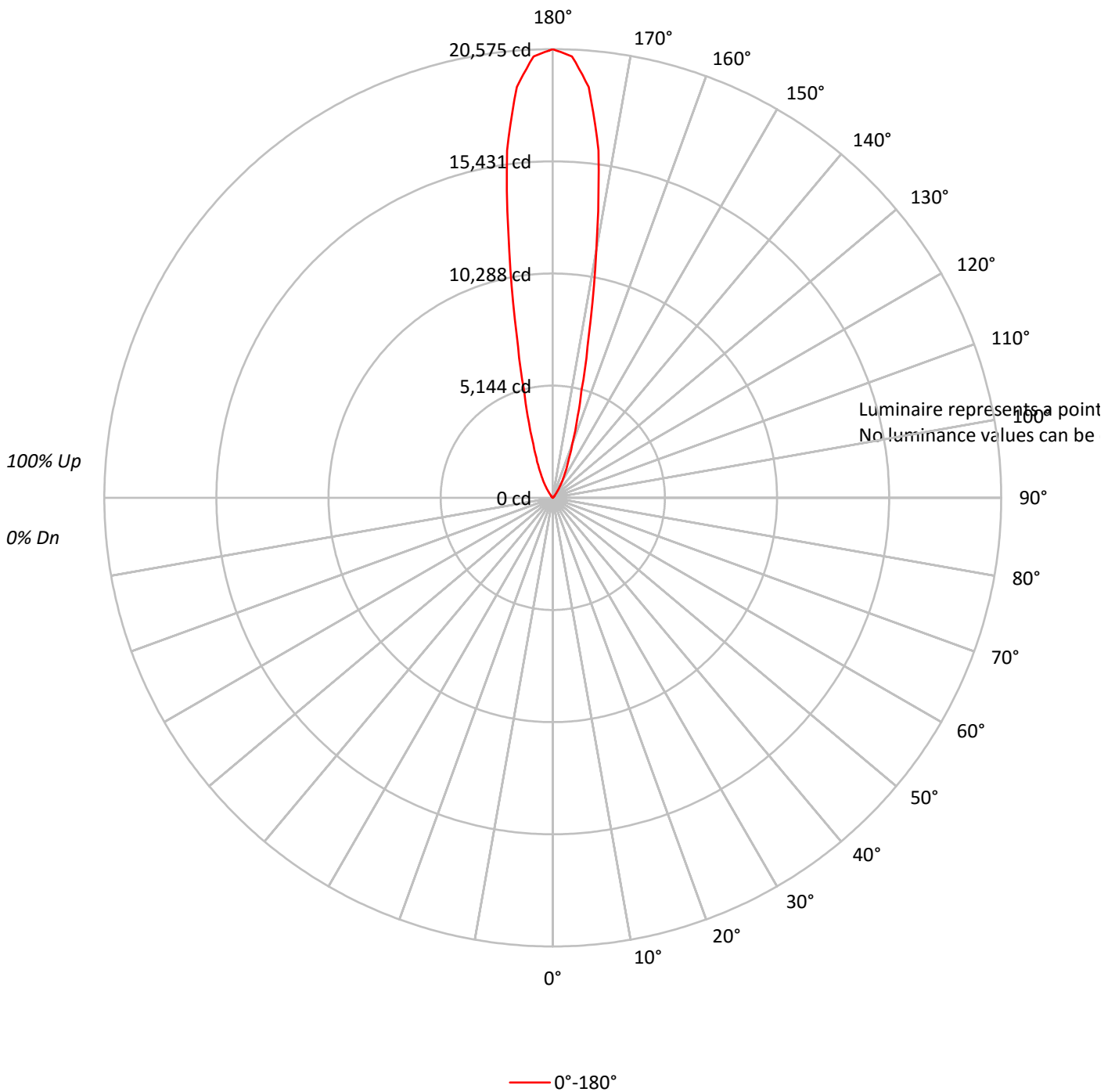
Summary

Lumens per Lamp: 5800 (1 lamp)
Luminaire Lumens: 4113.6 lumens
Efficiency: 70.9%
Efficacy: -
N/A
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Indirect

Input Watts (W): 0
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





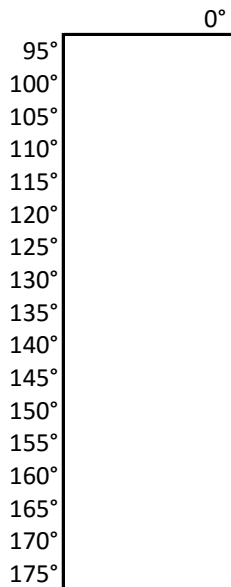
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	68	68	68	68	58	58	58	58	39	39	39	23	23	23	7	7	7	0
1	61	59	56	54	52	50	48	46	34	33	32	20	19	19	6	6	6	0
2	56	51	47	44	48	44	41	38	30	28	26	17	16	15	6	5	5	0
3	51	45	40	36	43	38	35	31	26	24	22	15	14	13	5	5	4	0
4	46	39	34	30	39	34	30	26	23	21	19	13	12	11	4	4	4	0
5	42	35	30	26	36	30	26	22	21	18	16	12	11	9	4	3	3	0
6	39	31	26	22	33	27	22	19	18	16	14	11	9	8	3	3	3	0
7	36	28	23	19	30	24	20	17	17	14	12	10	8	7	3	3	2	0
8	33	25	20	17	28	22	17	14	15	12	10	9	7	6	3	2	2	0
9	31	23	18	14	26	19	15	13	14	11	9	8	6	5	3	2	2	0
10	28	21	16	13	24	18	14	11	12	10	8	7	6	5	2	2	2	0

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	0.0	0.0	0.0
10°-20°	0.0	0.0	0.0
20°-30°	0.0	0.0	0.0
30°-40°	0.0	0.0	0.0
40°-50°	0.0	0.0	0.0
50°-60°	0.0	0.0	0.0
60°-70°	0.0	0.0	0.0
70°-80°	0.0	0.0	0.0
80°-90°	0.0	0.0	0.0
90°-100°	0.5	0.0	0.0
100°-110°	1.4	0.0	0.0
110°-120°	7.4	0.2	0.1
120°-130°	14.3	0.3	0.2
130°-140°	47.1	1.1	0.8
140°-150°	242.6	5.9	4.2
150°-160°	697.8	17.0	12.0
160°-170°	1533.3	37.3	26.4
170°-180°	1569.1	38.1	27.1
0°-30°	0.0	0.0	0.0
0°-40°	0.0	0.0	0.0
0°-60°	0.0	0.0	0.0
0°-90°	0.0	0.0	0.0
90°-120°	9.3	0.2	0.2
90°-150°	313.4	7.6	5.4
90°-180°	4114.0	100.0	70.9
0°-180°	4113.6	100.0	70.9

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	1
105°	1	1
115°	8	7
125°	15	14
135°	53	47
145°	364	243
155°	1476	698
165°	5102	1533
175°	18909	###
180°	20575	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	0.5
95°	0.5
97.5°	0.5
100°	0.5
102.5°	0.5
105°	1.0
107.5°	1.4
110°	4.2
112.5°	6.6
115°	7.6
117.5°	8.9
120°	9.6
122.5°	11.7
125°	15.1
127.5°	19.8
130°	26.4
132.5°	37.5
135°	53.1
137.5°	80.1
140°	129.7
142.5°	218.3
145°	363.8
147.5°	547.3
150°	805.1
152.5°	1106.3
155°	1475.7
157.5°	1945.7
160°	2611.7
162.5°	3634.6
165°	5102.1
167.5°	7593.8
170°	11454.2
172.5°	16069.3
175°	18909.4
177.5°	20257.7
180°	20574.9

(END OF REPORT)