

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: 19052

Luminaire Tested: **6002A-MH70PAR30L-SP**

Issue Date: 3/3/2020

**Test Information**

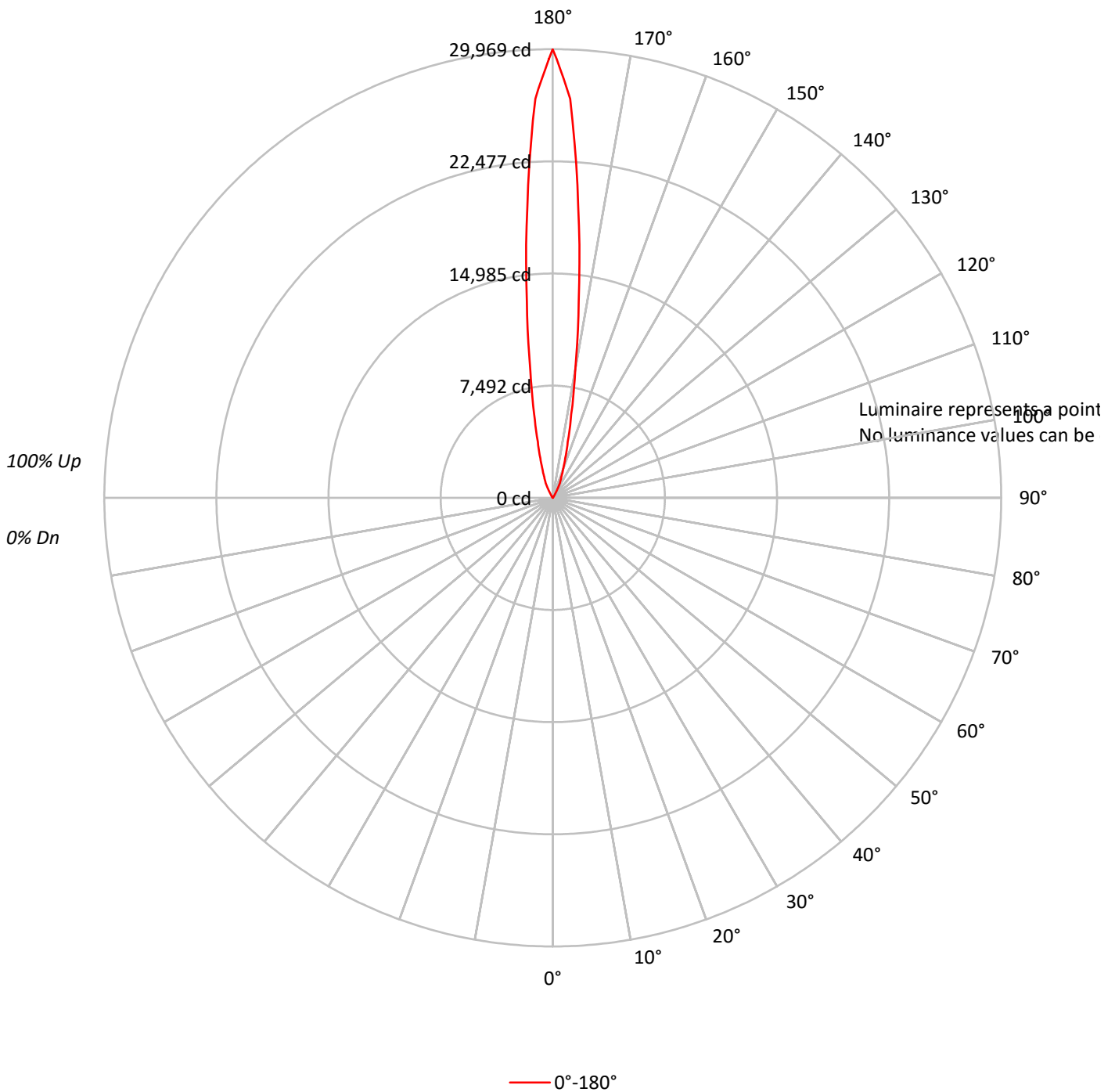
Test Method: LM-46-04  
Report Number: 19052  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 6002A-MH70PAR30L-SP  
Description: WITH PAR LAMP AND TWO CLEAR GLASS LENS  
  
Light Source: ONE SYL. 70 WATT MH LAMP  
  
PMCP70PAR30LN/U/830/SP. LUMEN RATING = 4400 LMS.  
  
Ballast/Driver: -

**Summary**

Lumens per Lamp: 4400 (1 lamp)  
Luminaire Lumens: 3277.1 lumens  
Efficiency: 74.5%  
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<sub>in</sub>): 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





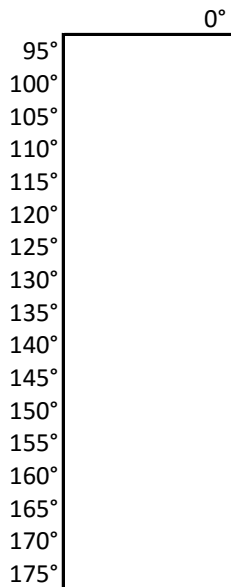
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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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	71	71	71	71	61	61	61	61	41	41	41	24	24	24	8	8	8	0
1	64	62	59	56	55	53	51	49	36	35	34	21	20	20	7	6	6	0
2	59	54	49	46	50	46	43	40	31	29	28	18	17	16	6	6	5	0
3	53	47	42	38	45	40	36	33	28	25	23	16	15	14	5	5	4	0
4	49	41	36	32	41	36	31	28	24	22	20	14	13	12	5	4	4	0
5	45	37	31	27	38	31	27	24	22	19	17	13	11	10	4	4	3	0
6	41	33	27	23	35	28	23	20	19	16	14	11	10	8	4	3	3	0
7	38	29	24	20	32	25	21	17	17	14	12	10	9	7	3	3	2	0
8	35	26	21	17	29	23	18	15	16	13	11	9	8	6	3	2	2	0
9	32	24	19	15	27	20	16	13	14	11	9	8	7	6	3	2	2	0
10	30	22	17	13	25	19	14	12	13	10	8	8	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°	0.5	0.0	0.0
110°-120°	0.5	0.0	0.0
120°-130°	0.4	0.0	0.0
130°-140°	8.2	0.2	0.2
140°-150°	74.4	2.3	1.7
150°-160°	506.4	15.5	11.5
160°-170°	1159.1	35.4	26.3
170°-180°	1527.0	46.6	34.7
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°	1.6	0.0	0.0
90°-150°	84.6	2.6	1.9
90°-180°	3277.0	100.0	74.5
0°-180°	3277.1	100.0	74.5

**CANDELA DISTRIBUTION:**

	0°	Flux
90°	0	
95°	0	1
105°	0	1
115°	0	0
125°	0	0
135°	10	8
145°	92	74
155°	1186	506
165°	3868	1159
175°	19519	###
180°	29969	



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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°	0.5
107.5°	0.5
110°	0.5
112.5°	0.5
115°	0.5
117.5°	0.5
120°	0.5
122.5°	0.5
125°	0.5
127.5°	0.5
130°	0.5
132.5°	1.6
135°	10.3
137.5°	16.9
140°	29.4
142.5°	56.1
145°	92.1
147.5°	163.0
150°	338.1
152.5°	735.1
155°	1186.0
157.5°	1484.9
160°	1972.9
162.5°	2772.9
165°	3868.5
167.5°	5718.2
170°	8601.9
172.5°	13216.5
175°	19519.3
177.5°	26686.0
180°	29969.4

(END OF REPORT)