

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: 19054

Luminaire Tested: **6002N-MH70PAR30L-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19054
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6002N-MH70PAR30L-FL
Description: WITH PAR LAMP AND TWO CLEAR GLASS LENS

Light Source: ONE SYL. 70 WATT MH LAMP

PMCP70PAR30LN/U/830/FL. LUMEN RATING = 4400 LMS.

Ballast/Driver: -

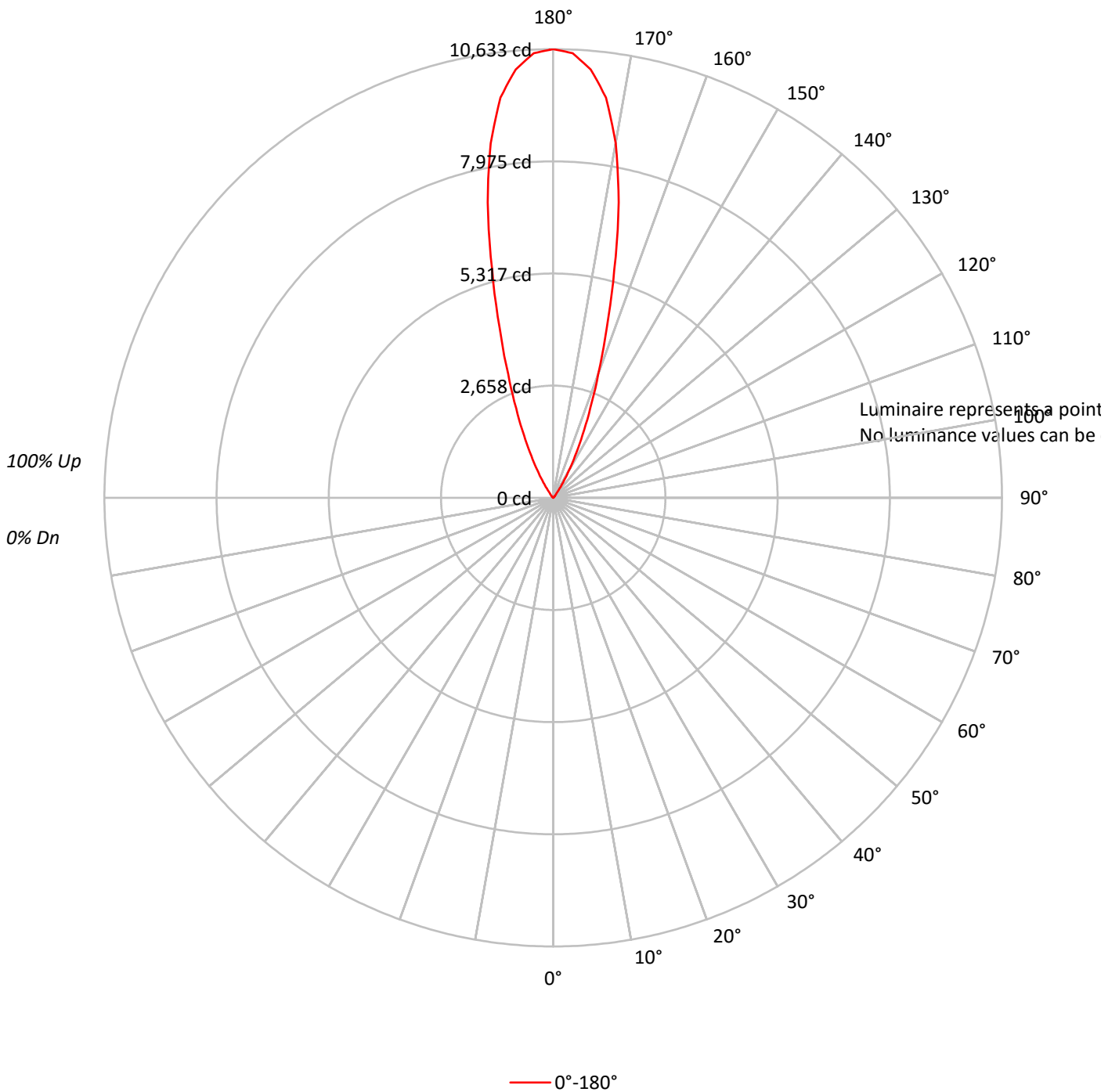
Summary

Lumens per Lamp: 4400 (1 lamp)
Luminaire Lumens: 3459.2 lumens
Efficiency: 78.6%
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

TEST NUMBER: 19054
CATALOG NUMBER: 6002N-MH70PAR30L-FL

Luminous Intensity Polar Plot





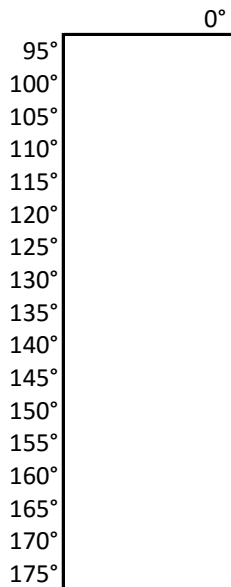
TEST NUMBER: 19054

CATALOG NUMBER: 6002N-MH70PAR30L-FL

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	75	75	75	75	64	64	64	64	44	44	44	25	25	25	8	8	8	0
1	68	65	62	60	58	56	53	51	38	37	35	22	21	21	7	7	7	0
2	62	57	52	49	53	48	45	42	33	31	29	19	18	17	6	6	6	0
3	56	50	44	40	48	43	38	35	29	27	24	17	16	14	5	5	5	0
4	51	44	38	34	44	38	33	29	26	23	21	15	13	12	5	4	4	0
5	47	39	33	29	40	33	28	25	23	20	18	13	12	10	4	4	3	0
6	43	34	29	24	37	30	25	21	20	17	15	12	10	9	4	3	3	0
7	40	31	25	21	34	27	22	18	18	15	13	11	9	8	3	3	3	0
8	37	28	22	18	31	24	19	16	17	14	11	10	8	7	3	3	2	0
9	34	25	20	16	29	22	17	14	15	12	10	9	7	6	3	2	2	0
10	31	23	18	14	27	20	15	12	14	11	9	8	6	5	3	2	2	0

AVERAGE LUMINANCE (cd/sqm):





TEST NUMBER: 19054

CATALOG NUMBER: 6002N-MH70PAR30L-FL

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°	2.2	0.1	0.1
100°-110°	5.5	0.2	0.1
110°-120°	5.6	0.2	0.1
120°-130°	7.3	0.2	0.2
130°-140°	29.5	0.9	0.7
140°-150°	179.4	5.2	4.1
150°-160°	773.9	22.4	17.6
160°-170°	1534.5	44.4	34.9
170°-180°	921.4	26.6	20.9
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°	13.2	0.4	0.3
90°-150°	229.4	6.6	5.2
90°-180°	3459.0	100.0	78.6
0°-180°	3459.2	100.0	78.6

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	2	2
105°	6	5
115°	6	6
125°	7	7
135°	36	29
145°	230	179
155°	1636	774
165°	5593	1534
175°	10192	921
180°	10633	



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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	1.1
95°	2.4
97.5°	2.7
100°	3.4
102.5°	5.0
105°	5.6
107.5°	5.6
110°	5.6
112.5°	5.6
115°	5.6
117.5°	5.6
120°	5.6
122.5°	6.1
125°	6.6
127.5°	10.9
130°	12.9
132.5°	21.5
135°	36.5
137.5°	52.7
140°	77.1
142.5°	125.1
145°	230.4
147.5°	432.1
150°	731.8
152.5°	1114.0
155°	1636.2
157.5°	2290.8
160°	3118.6
162.5°	4210.9
165°	5592.8
167.5°	7168.7
170°	8529.4
172.5°	9566.7
175°	10191.6
177.5°	10545.7
180°	10632.9

(END OF REPORT)