

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: 19064

Luminaire Tested: **6000N-MH70T6-SP1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19064
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6000N-MH70T6-SP1
Description: WITH DIFFUSE SPUN REFLECTOR AND TWO CLEAR GLASS LENS

Light Source: ONE PHILIPS 70 WATT CMH LAMP

CDM70/T6/830. LUMEN RATING = 6600 LMS.

Ballast/Driver: -

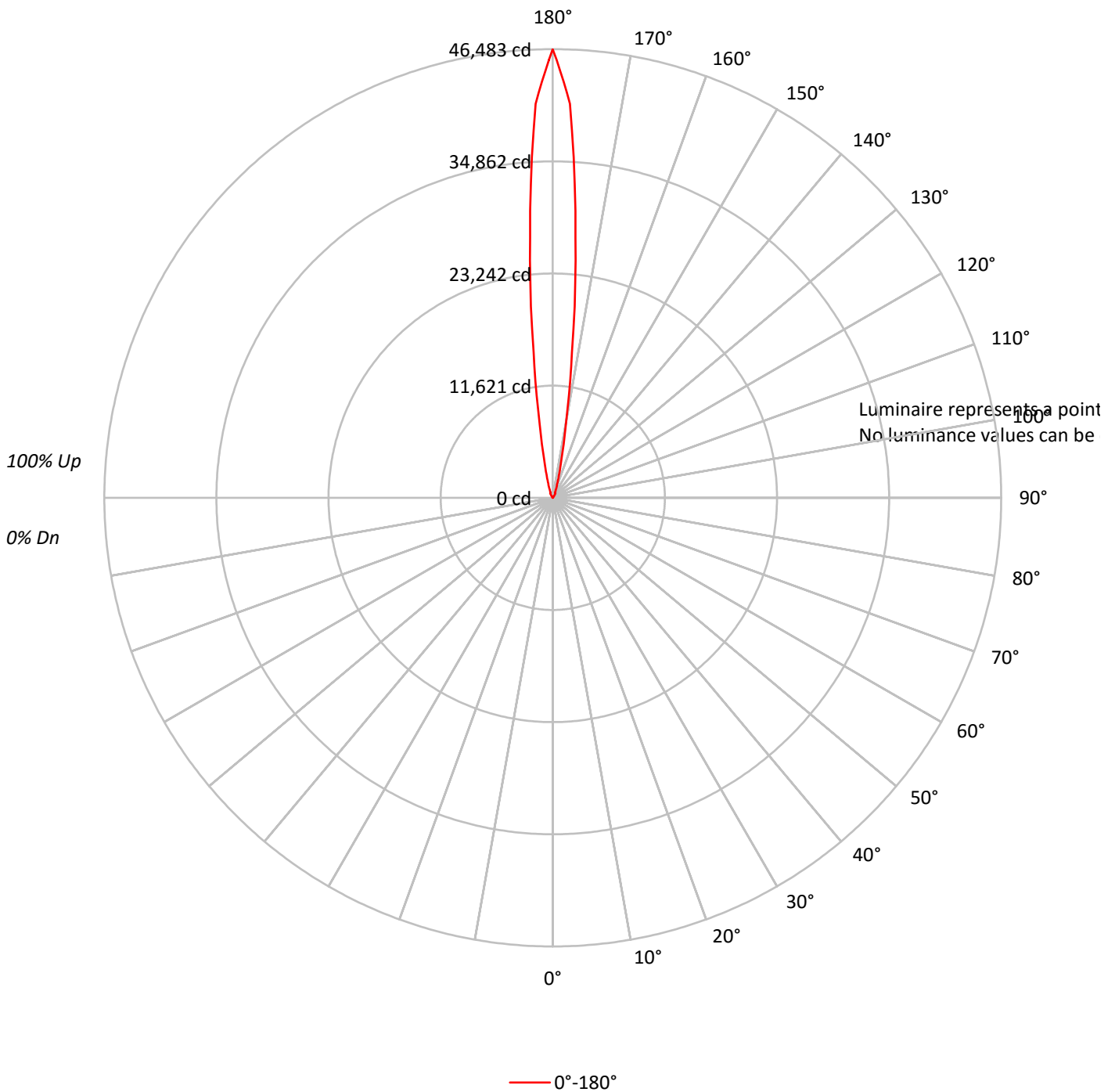
Summary

Lumens per Lamp: 6600 (1 lamp)
Luminaire Lumens: 3204.9 lumens
Efficiency: 48.6%
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

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Luminous Intensity Polar Plot





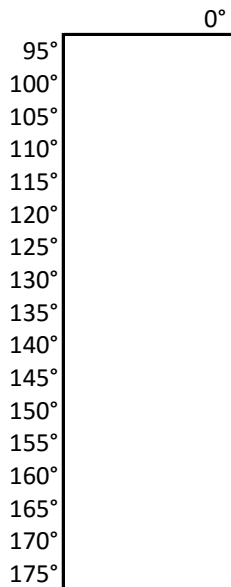
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	20		
RCR																				
0	46	46	46	46	40	40	40	40	27	27	27	15	15	15	5	5	5	0		
1	42	40	38	37	36	34	33	32	23	23	22	14	13	13	4	4	4	0		
2	38	35	32	30	33	30	28	26	21	19	18	12	11	11	4	4	3	0		
3	35	31	27	25	30	26	24	22	18	16	15	10	10	9	3	3	3	0		
4	32	27	24	21	27	23	20	18	16	14	13	9	8	8	3	3	2	0		
5	29	24	20	18	25	21	18	15	14	12	11	8	7	6	3	2	2	0		
6	27	21	18	15	23	18	15	13	13	11	9	7	6	6	2	2	2	0		
7	24	19	16	13	21	16	13	11	11	9	8	7	6	5	2	2	2	0		
8	23	17	14	11	19	15	12	10	10	8	7	6	5	4	2	2	1	0		
9	21	15	12	10	18	13	11	9	9	7	6	5	4	4	2	1	1	0		
10	19	14	11	9	17	12	9	8	8	7	5	5	4	3	2	1	1	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°	1.2	0.0	0.0
130°-140°	11.9	0.4	0.2
140°-150°	115.1	3.6	1.7
150°-160°	289.7	9.0	4.4
160°-170°	804.6	25.1	12.2
170°-180°	1980.8	61.8	30.0
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°	129.8	4.0	2.0
90°-180°	3205.0	100.0	48.6
0°-180°	3204.9	100.0	48.6

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	0	1
105°	0	1
115°	0	0
125°	0	1
135°	10	12
145°	145	115
155°	537	290
165°	2451	805
175°	27077	###
180°	46483	



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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°	1.5
130°	5.3
132.5°	9.2
135°	10.1
137.5°	21.7
140°	38.5
142.5°	76.1
145°	145.4
147.5°	269.6
150°	514.6
152.5°	597.4
155°	536.8
157.5°	651.8
160°	999.4
162.5°	1533.7
165°	2451.2
167.5°	4253.1
170°	7779.2
172.5°	15213.3
175°	27077.1
177.5°	40874.6
180°	46483.3

(END OF REPORT)