

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: 19048

Luminaire Tested: **6002A-MH39PAR20-FL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 19048
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 6002A-MH39PAR20-FL
Description: WITH PAR LAMP AND TWO CLEAR GLASS LENS

Light Source: ONE PHILIPS 39 WATT CMH LAMP

CDM35/830/PAR20/FL. LUMEN RATING = 2000 LMS.

Ballast/Driver: -

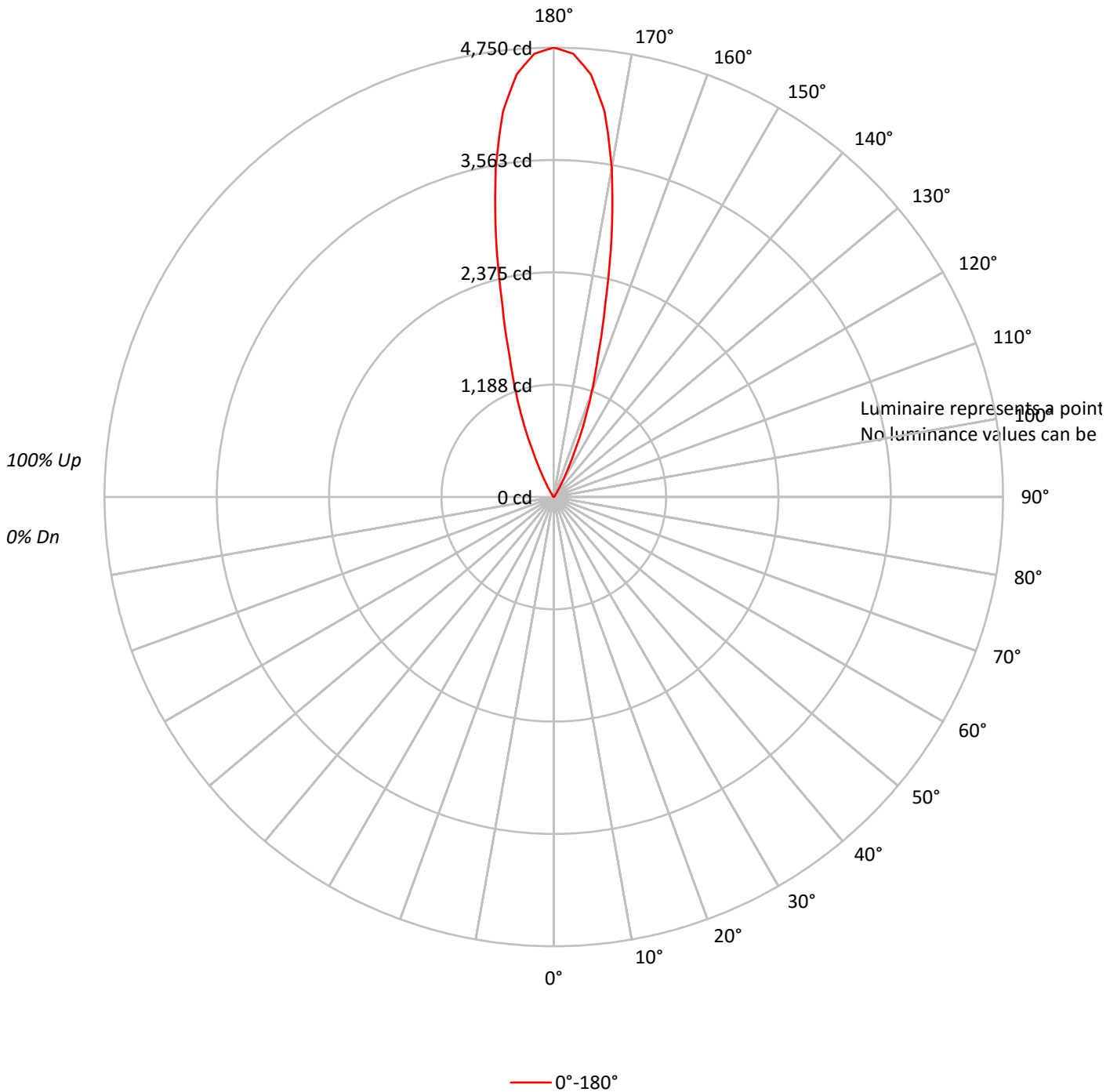
Summary

Lumens per Lamp: 2000 (1 lamp)
Luminaire Lumens: 1284.3 lumens
Efficiency: 64.2%
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





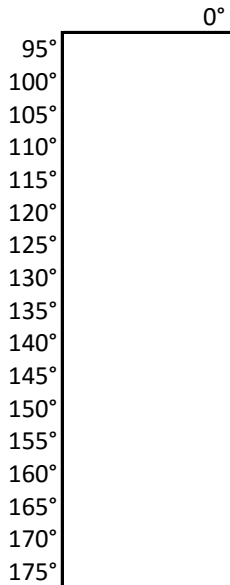
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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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	61	61	61	61	52	52	52	52	36	36	36	20	20	20	7	7	7	0
1	56	53	51	49	47	45	44	42	31	30	29	18	17	17	6	6	5	0
2	51	46	43	40	43	40	37	34	27	25	24	16	15	14	5	5	5	0
3	46	41	36	33	39	35	31	29	24	22	20	14	13	12	4	4	4	0
4	42	36	31	28	36	31	27	24	21	19	17	12	11	10	4	4	3	0
5	38	32	27	23	33	27	23	20	19	16	14	11	10	9	3	3	3	0
6	35	28	23	20	30	24	20	17	17	14	12	10	8	7	3	3	2	0
7	32	25	21	17	28	22	18	15	15	12	11	9	7	6	3	2	2	0
8	30	23	18	15	25	20	16	13	13	11	9	8	7	6	3	2	2	0
9	28	20	16	13	24	18	14	11	12	10	8	7	6	5	2	2	2	0
10	26	19	14	12	22	16	12	10	11	9	7	6	5	4	2	2	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°	1.3	0.1	0.1
100°-110°	2.1	0.2	0.1
110°-120°	2.1	0.2	0.1
120°-130°	3.8	0.3	0.2
130°-140°	7.2	0.6	0.4
140°-150°	35.0	2.7	1.7
150°-160°	245.4	19.1	12.3
160°-170°	589.4	45.9	29.5
170°-180°	398.0	31.0	19.9
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°	5.6	0.4	0.3
90°-150°	51.5	4.0	2.6
90°-180°	1284.0	100.0	64.2
0°-180°	1284.3	100.0	64.2

CANDELA DISTRIBUTION:

	0°	Flux
90°	0	
95°	1	1
105°	2	2
115°	2	2
125°	4	4
135°	9	7
145°	44	35
155°	493	245
165°	2094	589
175°	4486	398
180°	4750	

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CANDELA DISTRIBUTION (FULL):

	0°
90°	0.5
92.5°	0.7
95°	1.3
97.5°	1.6
100°	2.0
102.5°	2.0
105°	2.0
107.5°	2.0
110°	2.0
112.5°	2.0
115°	2.0
117.5°	2.1
120°	2.9
122.5°	3.8
125°	4.3
127.5°	4.8
130°	5.5
132.5°	6.6
135°	9.1
137.5°	11.6
140°	15.3
142.5°	25.8
145°	43.9
147.5°	77.3
150°	155.8
152.5°	283.2
155°	493.2
157.5°	804.8
160°	1162.7
162.5°	1550.1
165°	2094.2
167.5°	2823.9
170°	3528.8
172.5°	4109.3
175°	4485.6
177.5°	4689.8
180°	4750.5

(END OF REPORT)