

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: HALO

Report Number: H32014

Luminaire Tested: **M200-26P**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-46-04  
Report Number: H32014  
Test Lab:  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: M200-26P  
Description: HALO 13" SQ. RECESSED HID  
SPECULAR REFLECTOR RECESSED DROP OPAL LENS  
Light Source: M100/C/U/MED 100 WATTS 8000 LUMENS  
ED-17 COATED METAL HALIDE  
Ballast/Driver: -

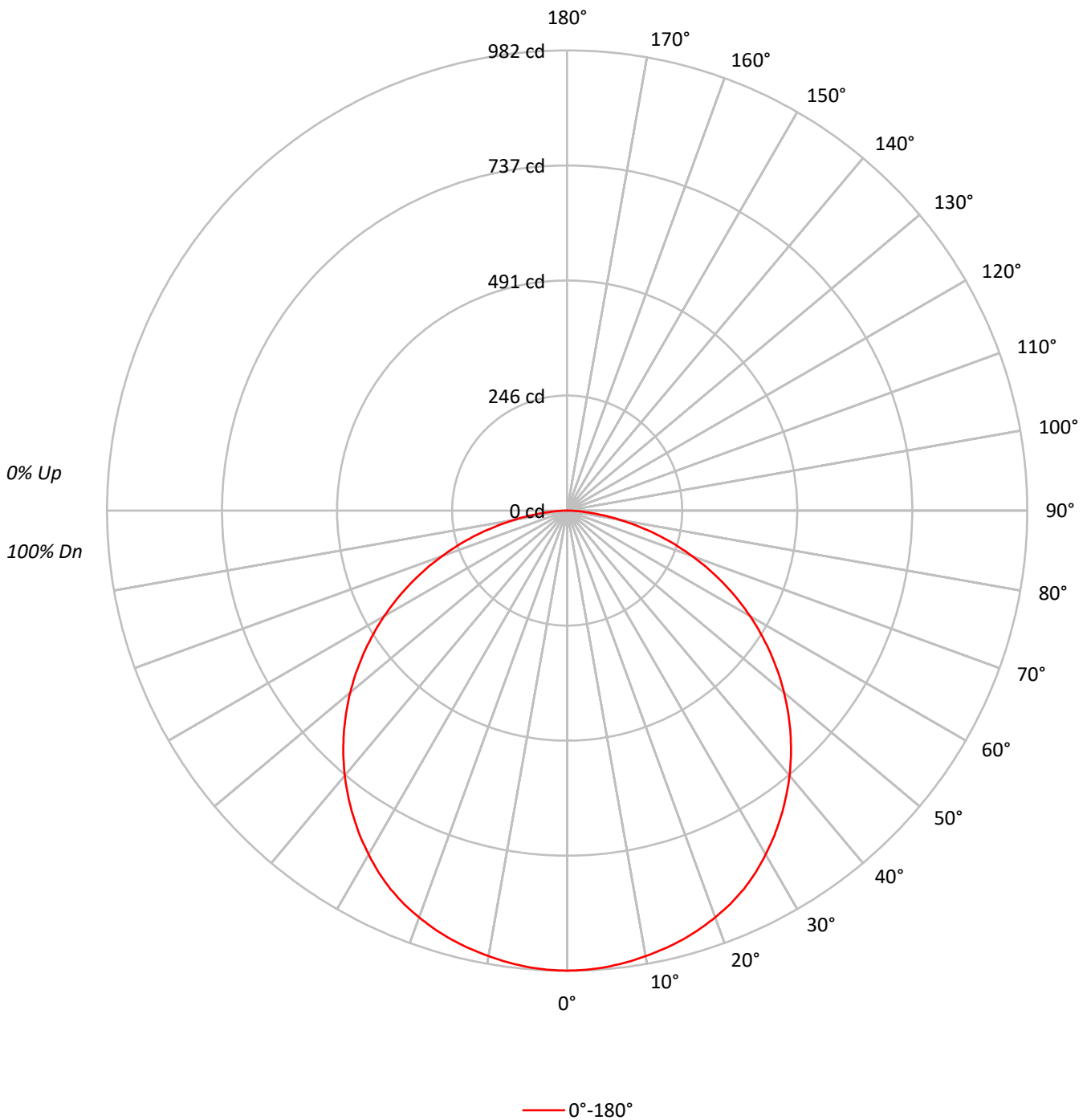
**Summary**

Lumens per Lamp: 8000 (1 lamp)  
Luminaire Lumens: 2890.0 lumens  
Efficiency: 36.1%  
Efficacy: 25.1 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.39  
Luminous Opening: Rectangular (W 0.78' x L: 0.78' x H: 0')  
CIE Type: Direct

Input Watts (W): 115  
Input Voltage (V): NR  
Input Current (Ain): 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	43	43	43	43	42	42	42	42	40	40	40	38	38	38	37	37	37	36
1	39	37	36	35	38	37	35	34	35	34	33	34	33	32	32	32	31	30
2	36	33	30	28	35	32	30	28	31	29	27	29	28	26	28	27	26	25
3	32	29	26	23	32	28	25	23	27	25	23	26	24	22	25	23	22	21
4	30	25	22	20	29	25	22	19	24	21	19	23	21	19	22	20	19	18
5	27	23	19	17	26	22	19	17	21	19	17	21	18	16	20	18	16	15
6	25	20	17	15	24	20	17	15	19	17	14	19	16	14	18	16	14	13
7	23	18	15	13	23	18	15	13	17	15	13	17	15	13	16	14	13	12
8	22	17	14	11	21	16	14	11	16	13	11	16	13	11	15	13	11	11
9	20	15	12	10	20	15	12	10	15	12	10	14	12	10	14	12	10	9
10	19	14	11	9	19	14	11	9	14	11	9	13	11	9	13	11	9	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	17374
5°	17362
10°	17344
15°	17371
20°	17395
25°	17403
30°	17312
35°	17194
40°	17058
45°	16871
50°	16636
55°	16336
60°	15955
65°	15427
70°	14681
75°	13617
80°	11768
85°	9033



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture	% Lamp
0°-10°	92.9	3.2	1.2
10°-20°	267.8	9.3	3.3
20°-30°	410.5	14.2	5.1
30°-40°	498.0	17.2	6.2
40°-50°	519.9	18.0	6.5
50°-60°	473.1	16.4	5.9
60°-70°	364.5	12.6	4.6
70°-80°	210.0	7.3	2.6
80°-90°	53.1	1.8	0.7
90°-100°	0.0	0.0	0.0
100°-110°	0.0	0.0	0.0
110°-120°	0.0	0.0	0.0
120°-130°	0.0	0.0	0.0
130°-140°	0.0	0.0	0.0
140°-150°	0.0	0.0	0.0
150°-160°	0.0	0.0	0.0
160°-170°	0.0	0.0	0.0
170°-180°	0.0	0.0	0.0
0°-30°	771.3	26.7	9.6
0°-40°	1269.4	43.9	15.9
0°-60°	2262.4	78.3	28.3
0°-90°	2890.0	100.0	36.1
90°-120°	0.0	0.0	0.0
90°-150°	0.0	0.0	0.0
90°-180°	0.0	0.0	0.0
0°-180°	2890.0	100.0	36.1

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	982	
5°	978	93
15°	948	268
25°	892	411
35°	796	498
45°	674	520
55°	530	473
65°	368	364
75°	199	210
85°	44	51
90°	0	2
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	0



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	982.0
2.5°	980.8
5°	977.6
7.5°	972.4
10°	965.4
12.5°	957.8
15°	948.4
17.5°	937.2
20°	923.9
22.5°	909.0
25°	891.5
27.5°	870.7
30°	847.4
32.5°	822.8
35°	796.1
37.5°	767.8
40°	738.6
42.5°	707.1
45°	674.3
47.5°	639.7
50°	604.4
52.5°	567.5
55°	529.6
57.5°	490.6
60°	450.9
62.5°	410.2
65°	368.5
67.5°	326.9
70°	283.8
72.5°	241.5
75°	199.2
77.5°	156.2
80°	115.5
82.5°	76.6
85°	44.5
87.5°	16.4
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)