

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: H32021

Luminaire Tested: **M200-26P**

Issue Date: 3/3/2020



Test Information

Test Method: LM-46-04
Report Number: H32021
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 REGRESSED DROP OPAL LENS
Light Source: LU100/D/MED 100 WATTS 8800 LUMENS
ED-17 DIFFUSED HID
? ED-17 DIFFUSED HPS
Ballast/Driver: -

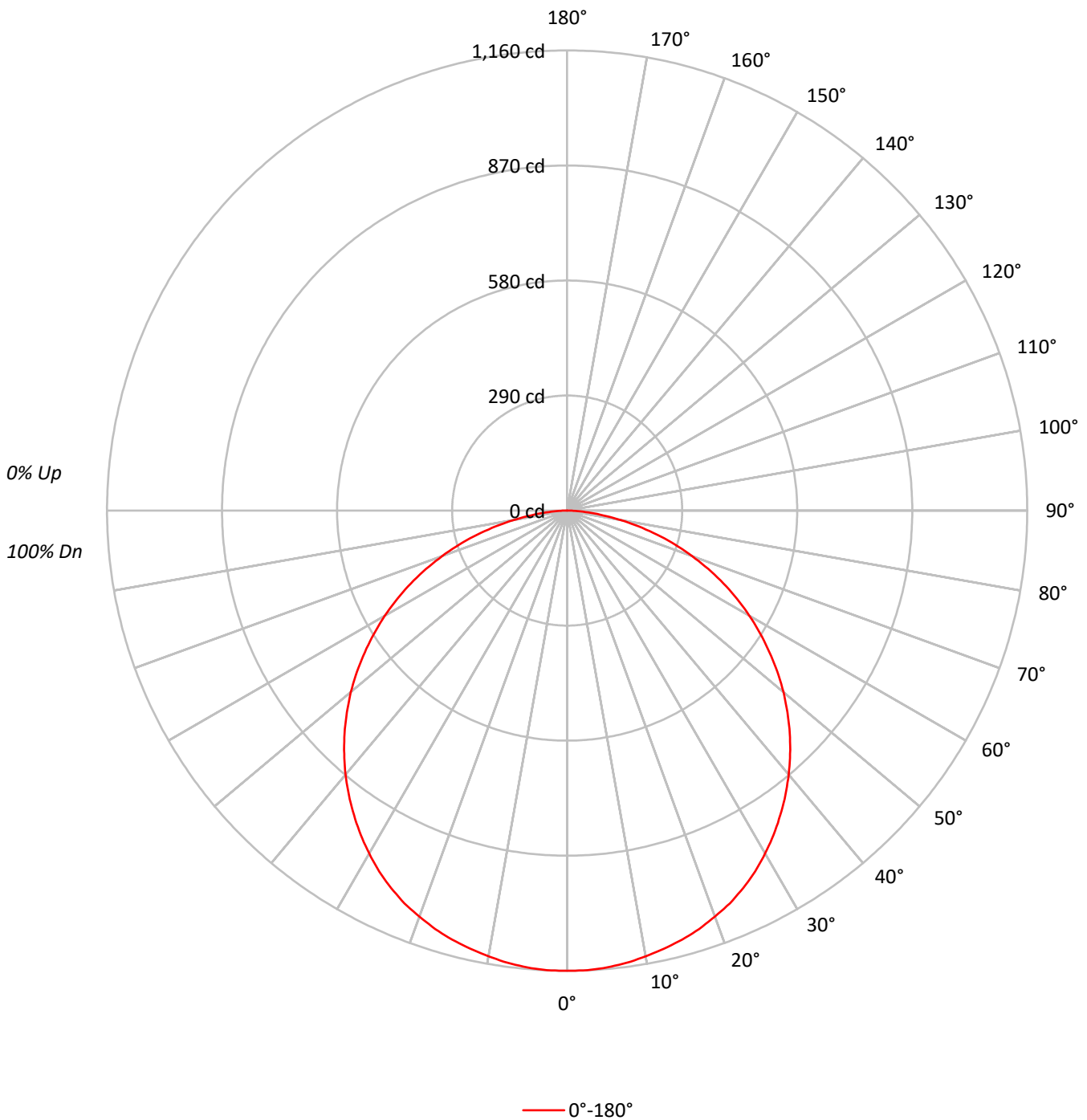
Summary

Lumens per Lamp: 8800 (1 lamp)
Luminaire Lumens: 3405.9 lumens
Efficiency: 38.7%
Efficacy: 29.6 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 (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	46	46	46	46	45	45	45	45	43	43	43	41	41	41	39	39	39	39
1	42	40	38	37	41	39	38	36	38	36	35	36	35	34	35	34	33	32
2	38	35	32	30	37	34	32	30	33	31	29	32	30	28	30	29	28	27
3	35	31	27	25	34	30	27	25	29	26	24	28	26	24	27	25	23	22
4	32	27	24	21	31	27	23	21	26	23	21	25	22	20	24	22	20	19
5	29	24	21	18	28	24	20	18	23	20	18	22	20	18	21	19	17	16
6	27	22	18	16	26	21	18	16	21	18	15	20	17	15	19	17	15	14
7	25	20	16	14	24	19	16	14	19	16	14	18	16	14	18	15	13	13
8	23	18	15	12	23	18	14	12	17	14	12	17	14	12	16	14	12	11
9	22	16	13	11	21	16	13	11	16	13	11	15	13	11	15	13	11	10
10	20	15	12	10	20	15	12	10	15	12	10	14	12	10	14	12	10	9

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20523
5°	20530
10°	20498
15°	20514
20°	20503
25°	20497
30°	20388
35°	20237
40°	20070
45°	19866
50°	19597
55°	19217
60°	18789
65°	18211
70°	17329
75°	16064
80°	13958
85°	10759



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ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	109.9	3.2	1.2
10°-20°	316.2	9.3	3.6
20°-30°	483.8	14.2	5.5
30°-40°	586.3	17.2	6.7
40°-50°	612.0	18.0	7.0
50°-60°	556.8	16.3	6.3
60°-70°	429.6	12.6	4.9
70°-80°	247.8	7.3	2.8
80°-90°	63.5	1.9	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°	909.8	26.7	10.3
0°-40°	1496.2	43.9	17.0
0°-60°	2665.0	78.2	30.3
0°-90°	3405.9	100.0	38.7
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°	3405.9	100.0	38.7

CANDELA DISTRIBUTION:

	0°	Flux
0°	1160	
5°	1156	110
15°	1120	316
25°	1050	484
35°	937	586
45°	794	612
55°	623	557
65°	435	430
75°	235	248
85°	53	61
90°	0	3
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°	1160
2.5°	1160
5°	1156
7.5°	1150
10°	1141
12.5°	1131
15°	1120
17.5°	1106
20°	1089
22.5°	1072
25°	1050
27.5°	1026
30°	998
32.5°	969
35°	937
37.5°	904
40°	869
42.5°	832
45°	794
47.5°	753
50°	712
52.5°	668
55°	623
57.5°	577
60°	531
62.5°	483
65°	435
67.5°	385
70°	335
72.5°	285
75°	235
77.5°	184
80°	137
82.5°	92
85°	53
87.5°	20
90°	0
92.5°	0
95°	0
97.5°	0
100°	0
102.5°	0
105°	0
107.5°	0
110°	0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)