

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P583400

Luminaire Tested: **HCC6W07D010MB-HM60525935-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583400  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W07D010MB-HM60525935-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

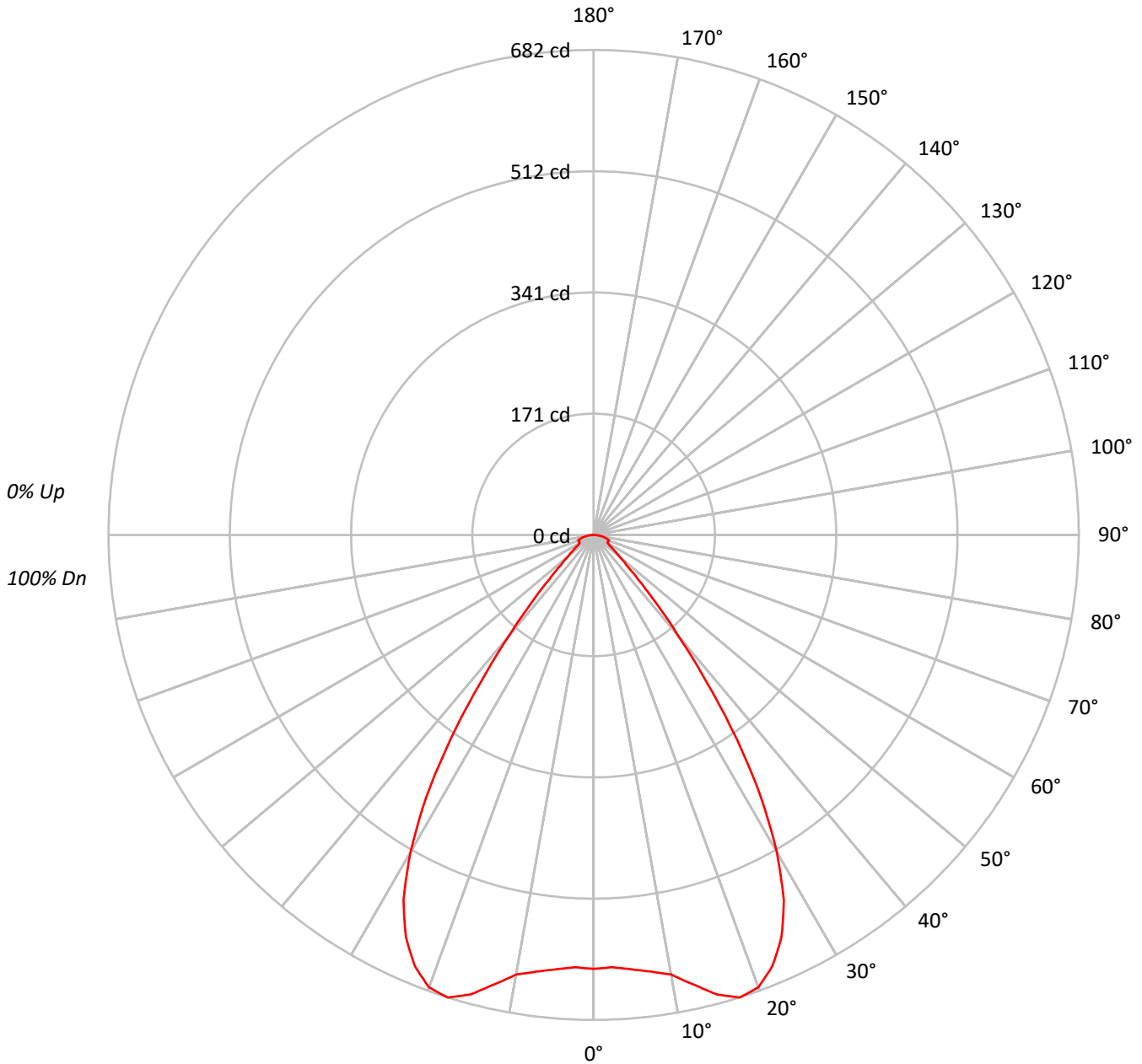
Lumens per Lamp: N/A  
Luminaire Lumens: 897.0 lumens  
Efficiency: N/A  
Efficacy: 112.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P583400  
CATALOG NUMBER: HCC6W07D010MB-HM60525935-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P583400  
 CATALOG NUMBER: HCC6W07D010MB-HM60525935-61WDWB

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93		91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84		82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77		75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70		69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65		63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60		58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55		54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51		50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48		46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44		43

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

	0°
0°	33451
5°	33744
10°	34953
15°	37968
20°	39495
25°	37774
30°	32606
35°	23477
40°	13225
45°	6853
50°	4085
55°	2944
60°	2500
65°	2880
70°	3654
75°	3855
80°	3788
85°	3585



TEST NUMBER: P583400  
 CATALOG NUMBER: HCC6W07D010MB-HM60525935-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.0	6.6
10°-20°	188.7	21.0
20°-30°	282.1	31.4
30°-40°	215.6	24.0
40°-50°	75.3	8.4
50°-60°	28.7	3.2
60°-70°	22.5	2.5
70°-80°	19.0	2.1
80°-90°	6.1	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	529.7	59.1
0°-40°	745.4	83.1
0°-60°	849.3	94.7
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	610	
5°	613	59
15°	669	189
25°	624	282
35°	351	216
45°	88	75
55°	31	29
65°	22	22
75°	18	19
85°	6	6
90°	0	



TEST NUMBER: P583400  
CATALOG NUMBER: HCC6W07D010MB-HM60525935-61WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	610.2
2.5°	608.5
5°	613.2
7.5°	619.4
10°	627.9
12.5°	647.4
15°	669.0
17.5°	682.2
20°	677.0
22.5°	656.5
25°	624.5
27.5°	579.0
30°	515.1
32.5°	438.6
35°	350.8
37.5°	260.1
40°	184.8
42.5°	129.5
45°	88.4
47.5°	62.2
50°	47.9
52.5°	37.6
55°	30.8
57.5°	25.0
60°	22.8
62.5°	22.2
65°	22.2
67.5°	23.3
70°	22.8
72.5°	21.1
75°	18.2
77.5°	15.4
80°	12.0
82.5°	8.6
85°	5.7
87.5°	2.3
90°	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)