

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: P582932

Luminaire Tested: **HCC6W05D010MB-HM60525927-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582932  
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: HCC6W05D010MB-HM60525927-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

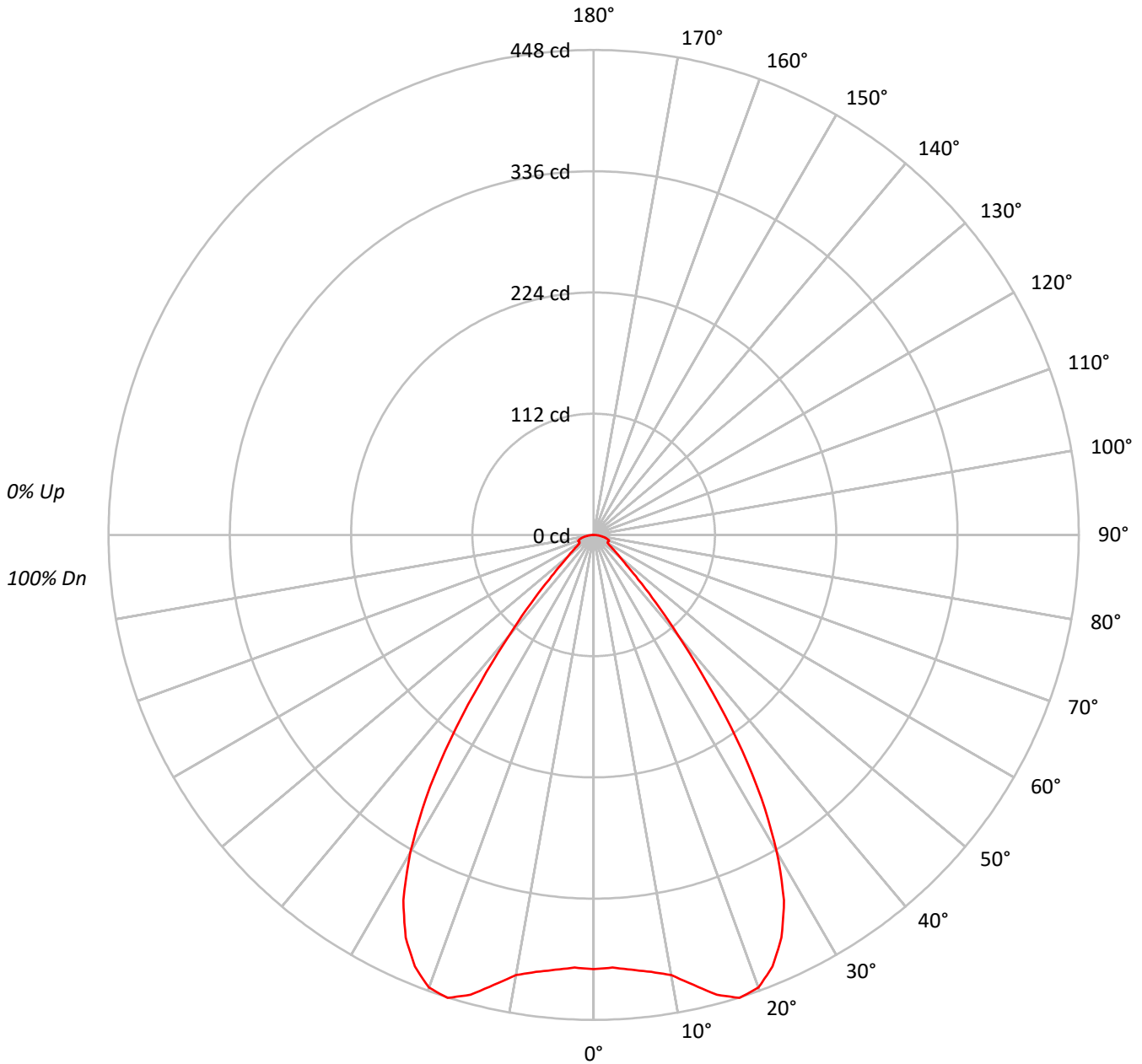
Lumens per Lamp: N/A  
Luminaire Lumens: 589.7 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
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: P582932  
CATALOG NUMBER: HCC6W05D010MB-HM60525927-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P582932  
 CATALOG NUMBER: HCC6W05D010MB-HM60525927-61WDWB

**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	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°	21994
5°	22182
10°	22979
15°	24960
20°	25961
25°	24830
30°	21427
35°	15432
40°	8695
45°	4504
50°	2686
55°	1931
60°	1645
65°	1894
70°	2404
75°	2542
80°	2494
85°	2327



TEST NUMBER: P582932  
 CATALOG NUMBER: HCC6W05D010MB-HM60525927-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.8	6.6
10°-20°	124.0	21.0
20°-30°	185.4	31.4
30°-40°	141.7	24.0
40°-50°	49.5	8.4
50°-60°	18.8	3.2
60°-70°	14.8	2.5
70°-80°	12.5	2.1
80°-90°	4.0	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°	348.2	59.1
0°-40°	490.0	83.1
0°-60°	558.3	94.7
0°-90°	589.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	401	
5°	403	39
15°	440	124
25°	410	185
35°	231	142
45°	58	50
55°	20	19
65°	15	15
75°	12	13
85°	4	4
90°	0	



TEST NUMBER: P582932  
CATALOG NUMBER: HCC6W05D010MB-HM60525927-61WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	401.2
2.5°	400.0
5°	403.1
7.5°	407.1
10°	412.8
12.5°	425.6
15°	439.8
17.5°	448.4
20°	445.0
22.5°	431.5
25°	410.5
27.5°	380.6
30°	338.5
32.5°	288.4
35°	230.6
37.5°	171.0
40°	121.5
42.5°	85.1
45°	58.1
47.5°	40.9
50°	31.5
52.5°	24.7
55°	20.2
57.5°	16.5
60°	15.0
62.5°	14.6
65°	14.6
67.5°	15.4
70°	15.0
72.5°	13.9
75°	12.0
77.5°	10.2
80°	7.9
82.5°	5.6
85°	3.7
87.5°	1.5
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)