

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: P582986

Luminaire Tested: **HCC6W05D010MW-HM60525940-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582986  
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: HCC6W05D010MW-HM60525940-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

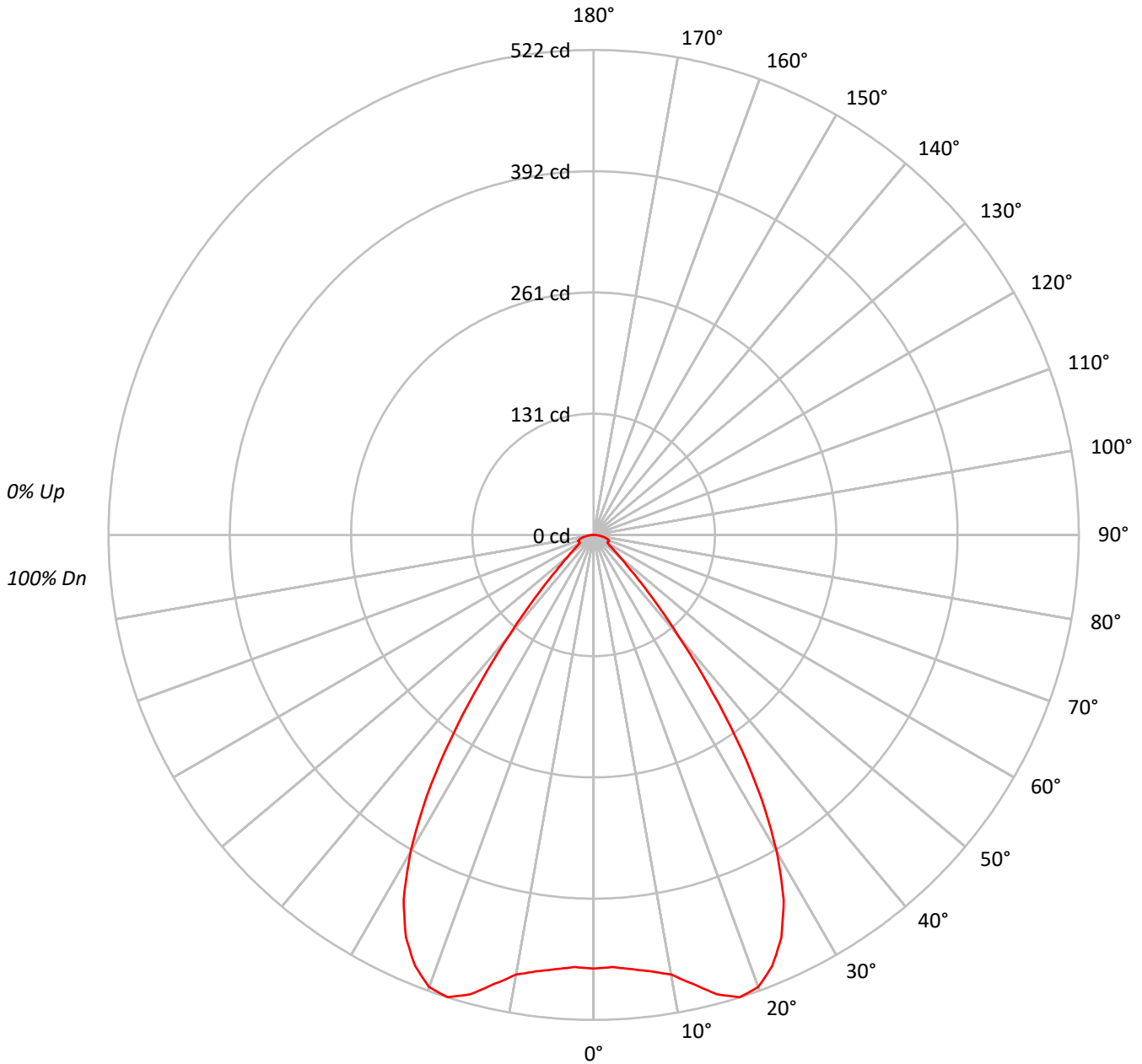
Lumens per Lamp: N/A  
Luminaire Lumens: 686.2 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): NR  
Input Current (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



TEST NUMBER: P582986  
CATALOG NUMBER: HCC6W05D010MW-HM60525940-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P582986

CATALOG NUMBER: HCC6W05D010MW-HM60525940-61WDWB

**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°	25590
5°	25814
10°	26742
15°	29047
20°	30213
25°	28901
30°	24934
35°	17955
40°	10119
45°	5241
50°	3121
55°	2246
60°	1908
65°	2218
70°	2789
75°	2965
80°	2904
85°	2768



TEST NUMBER: P582986  
 CATALOG NUMBER: HCC6W05D010MW-HM60525940-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.1	6.6
10°-20°	144.3	21.0
20°-30°	215.7	31.4
30°-40°	164.9	24.0
40°-50°	57.6	8.4
50°-60°	21.9	3.2
60°-70°	17.3	2.5
70°-80°	14.6	2.1
80°-90°	4.7	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°	405.2	59.1
0°-40°	570.2	83.1
0°-60°	649.7	94.7
0°-90°	686.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	467	
5°	469	45
15°	512	144
25°	478	216
35°	268	165
45°	68	58
55°	24	22
65°	17	17
75°	14	15
85°	4	5
90°	0	



TEST NUMBER: P582986  
CATALOG NUMBER: HCC6W05D010MW-HM60525940-61WDWB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	466.8
2.5°	465.6
5°	469.1
7.5°	473.8
10°	480.4
12.5°	495.2
15°	511.8
17.5°	521.8
20°	517.9
22.5°	502.2
25°	477.8
27.5°	442.8
30°	393.9
32.5°	335.5
35°	268.3
37.5°	199.0
40°	141.4
42.5°	99.0
45°	67.6
47.5°	47.6
50°	36.6
52.5°	28.8
55°	23.5
57.5°	19.2
60°	17.4
62.5°	17.1
65°	17.1
67.5°	17.9
70°	17.4
72.5°	16.2
75°	14.0
77.5°	11.8
80°	9.2
82.5°	6.6
85°	4.4
87.5°	1.7
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)