

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: P582931

Luminaire Tested: **HCC6S05D010MB-HM60525927-61WDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S05D010MB-HM60525927-61WDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

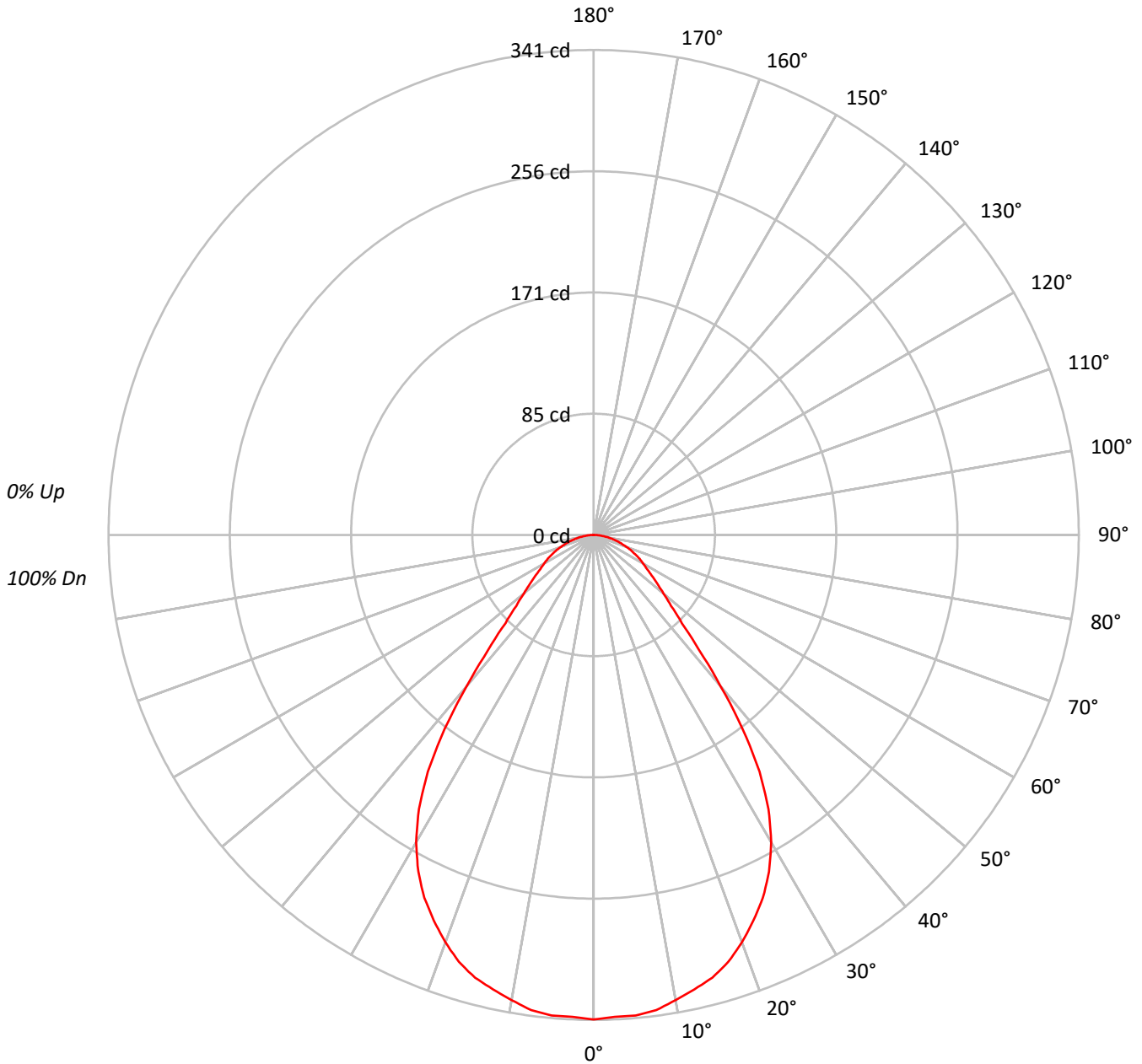
Lumens per Lamp: N/A  
Luminaire Lumens: 547.4 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582931  
CATALOG NUMBER: HCC6S05D010MB-HM60525927-61WDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582931

CATALOG NUMBER: HCC6S05D010MB-HM60525927-61WDW

**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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			

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

	0°
0°	18677
5°	18666
10°	18487
15°	18292
20°	17782
25°	17027
30°	15800
35°	13599
40°	9926
45°	6799
50°	5467
55°	4760
60°	4397
65°	4177
70°	3911
75°	3664
80°	3315
85°	2830



TEST NUMBER: P582931  
 CATALOG NUMBER: HCC6S05D010MB-HM60525927-61WDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.2	5.9
10°-20°	90.5	16.5
20°-30°	128.8	23.5
30°-40°	124.0	22.6
40°-50°	71.3	13.0
50°-60°	45.2	8.3
60°-70°	32.0	5.8
70°-80°	18.3	3.3
80°-90°	5.2	1.0
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°	251.4	45.9
0°-40°	375.4	68.6
0°-60°	491.9	89.9
0°-90°	547.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	341	
5°	339	32
15°	322	91
25°	282	129
35°	203	124
45°	88	71
55°	50	45
65°	32	32
75°	17	18
85°	4	5
90°	0	



TEST NUMBER: P582931  
CATALOG NUMBER: HCC6S05D010MB-HM60525927-61WDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	340.7
2.5°	339.2
5°	339.2
7.5°	337.0
10°	332.1
12.5°	327.2
15°	322.3
17.5°	314.8
20°	304.8
22.5°	293.5
25°	281.5
27.5°	266.9
30°	249.6
32.5°	228.6
35°	203.2
37.5°	172.0
40°	138.7
42.5°	109.5
45°	87.7
47.5°	73.8
50°	64.1
52.5°	56.3
55°	49.8
57.5°	44.2
60°	40.1
62.5°	36.4
65°	32.2
67.5°	28.5
70°	24.4
72.5°	20.6
75°	17.3
77.5°	13.9
80°	10.5
82.5°	7.5
85°	4.5
87.5°	1.9
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)