

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: P583359

Luminaire Tested: **HCC6S07D010MB-HM60525927-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S07D010MB-HM60525927-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

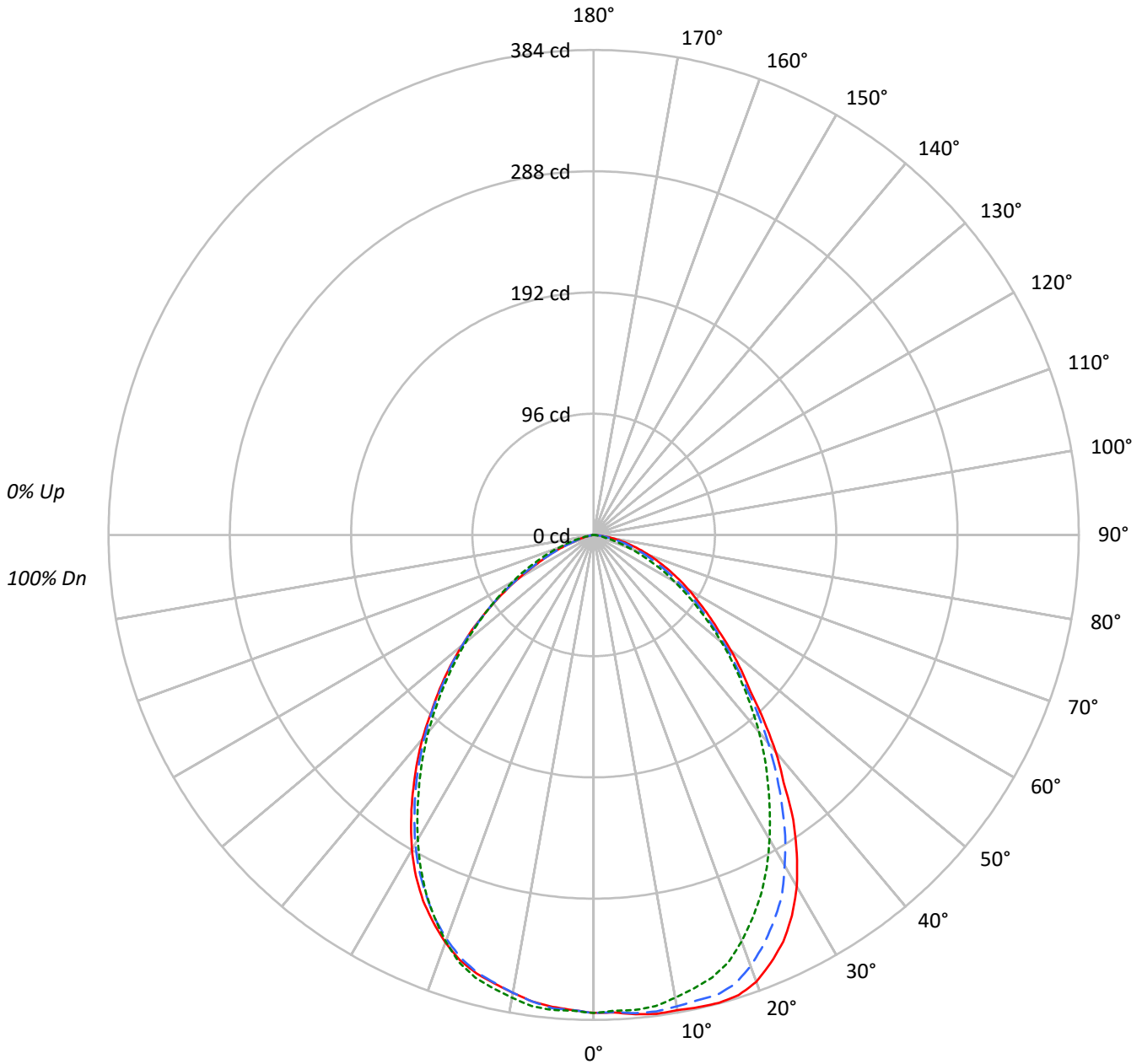
Lumens per Lamp: N/A  
Luminaire Lumens: 741.8 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P583359  
CATALOG NUMBER: HCC6S07D010MB-HM60525927-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583359

CATALOG NUMBER: HCC6S07D010MB-HM60525927-61RWWH

**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	93	92	90	88				
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77				
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67				
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59				
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47				
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42				
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				

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

	0°	90°	180°
0°	20749	20749	20749
5°	20966	20779	20642
10°	21264	20713	20491
15°	21765	20585	20392
20°	21970	19975	20028
25°	21491	18969	19326
30°	20351	17623	18218
35°	18431	16102	16704
40°	16044	14563	15093
45°	13614	12885	13350
50°	12059	11258	11556
55°	10618	9625	9586
60°	9517	8113	7456
65°	8496	6499	5331
70°	7485	4680	3334
75°	6312	2838	1906
80°	4862	1263	789
85°	2768	314	314



TEST NUMBER: P583359  
 CATALOG NUMBER: HCC6S07D010MB-HM60525927-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.9	4.8
10°-20°	103.3	13.9
20°-30°	149.3	20.1
30°-40°	157.1	21.2
40°-50°	132.1	17.8
50°-60°	92.7	12.5
60°-70°	51.0	6.9
70°-80°	18.1	2.4
80°-90°	2.4	0.3
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°	288.5	38.9
0°-40°	445.6	60.1
0°-60°	670.4	90.4
0°-90°	741.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	378	378	378	378	378	
5°	381	380	378	376	375	36
15°	384	377	363	358	359	108
25°	355	337	314	314	320	163
35°	275	260	241	246	250	171
45°	176	171	166	170	172	138
55°	111	105	101	101	100	100
65°	66	59	50	41	41	65
75°	30	24	13	9	9	32
85°	4	2	0	0	0	6
90°	0	0	0	0	0	

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



TEST NUMBER: P583359

CATALOG NUMBER: HCC6S07D010MB-HM60525927-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5	378.5
2.5°	378.5	378.5	378.1	378.1	377.1	377.1	376.6	376.6	376.6
5°	381.0	381.0	380.1	378.5	377.6	376.2	376.2	375.6	375.1
7.5°	382.5	382.0	380.6	378.5	376.2	373.7	372.6	373.1	372.6
10°	382.0	381.0	379.1	375.1	372.1	368.7	368.1	367.7	368.1
12.5°	383.1	381.6	377.6	372.6	367.7	363.7	363.2	363.2	363.7
15°	383.5	382.0	377.1	369.7	362.7	358.7	358.3	358.7	359.3
17.5°	382.0	380.1	372.6	362.7	354.7	350.8	350.8	351.8	352.8
20°	376.6	373.7	363.2	351.3	342.4	339.3	340.4	342.4	343.3
22.5°	366.6	363.2	351.3	337.9	328.5	326.0	328.5	330.9	332.0
25°	355.3	351.3	337.4	323.5	313.6	310.6	314.1	318.0	319.5
27.5°	339.9	335.4	322.6	306.6	296.7	295.3	299.2	303.6	304.7
30°	321.5	316.6	302.2	287.3	278.4	277.8	282.3	286.3	287.8
32.5°	299.2	294.7	282.3	267.4	259.5	259.5	264.0	267.4	269.0
35°	275.4	270.4	259.5	247.1	240.6	241.1	245.6	248.1	249.6
37.5°	247.1	245.6	237.1	226.7	222.3	223.3	226.7	228.8	230.2
40°	224.2	220.3	214.8	206.4	203.5	204.4	207.9	209.8	210.9
42.5°	199.4	197.0	192.5	186.6	184.6	186.0	189.1	190.6	190.0
45°	175.6	175.2	170.6	167.2	166.2	168.3	170.2	171.6	172.2
47.5°	158.3	156.2	152.3	149.9	148.9	150.8	152.8	153.9	153.9
50°	141.4	139.5	135.5	133.0	132.0	133.9	135.5	136.4	135.5
52.5°	124.5	122.6	119.1	116.1	115.6	116.6	117.2	117.6	118.6
55°	111.1	109.1	105.1	101.7	100.7	101.2	100.7	100.7	100.3
57.5°	98.2	96.3	92.3	88.4	86.8	86.3	84.9	84.3	83.8
60°	86.8	84.3	80.3	75.9	74.0	71.9	69.5	68.0	68.0
62.5°	75.9	73.4	69.0	65.0	62.0	58.6	54.6	52.6	52.6
65°	65.5	63.6	58.6	54.0	50.1	45.7	41.1	40.2	41.1
67.5°	55.5	53.6	48.6	44.2	39.2	33.8	29.8	29.8	30.8
70°	46.7	44.6	40.2	34.8	29.2	23.8	20.8	20.8	20.8
72.5°	38.2	36.3	31.3	26.3	20.8	15.4	13.9	14.4	13.9
75°	29.8	28.3	23.8	18.4	13.4	9.4	9.0	8.4	9.0
77.5°	22.3	20.8	16.9	11.9	7.5	5.4	5.0	5.0	5.0
80°	15.4	13.9	10.9	6.9	4.0	2.5	2.5	2.5	2.5
82.5°	9.4	7.9	6.0	3.5	1.5	1.5	1.5	1.5	1.5
85°	4.4	3.5	2.5	1.0	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	0.5	0.5	0.0	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°    - - 45°-225°    - - - - 90°-270°

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)