

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: P581667

Luminaire Tested: **HCC6S10D010MW-HM60525935-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581667  
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: HCC6S10D010MW-HM60525935-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

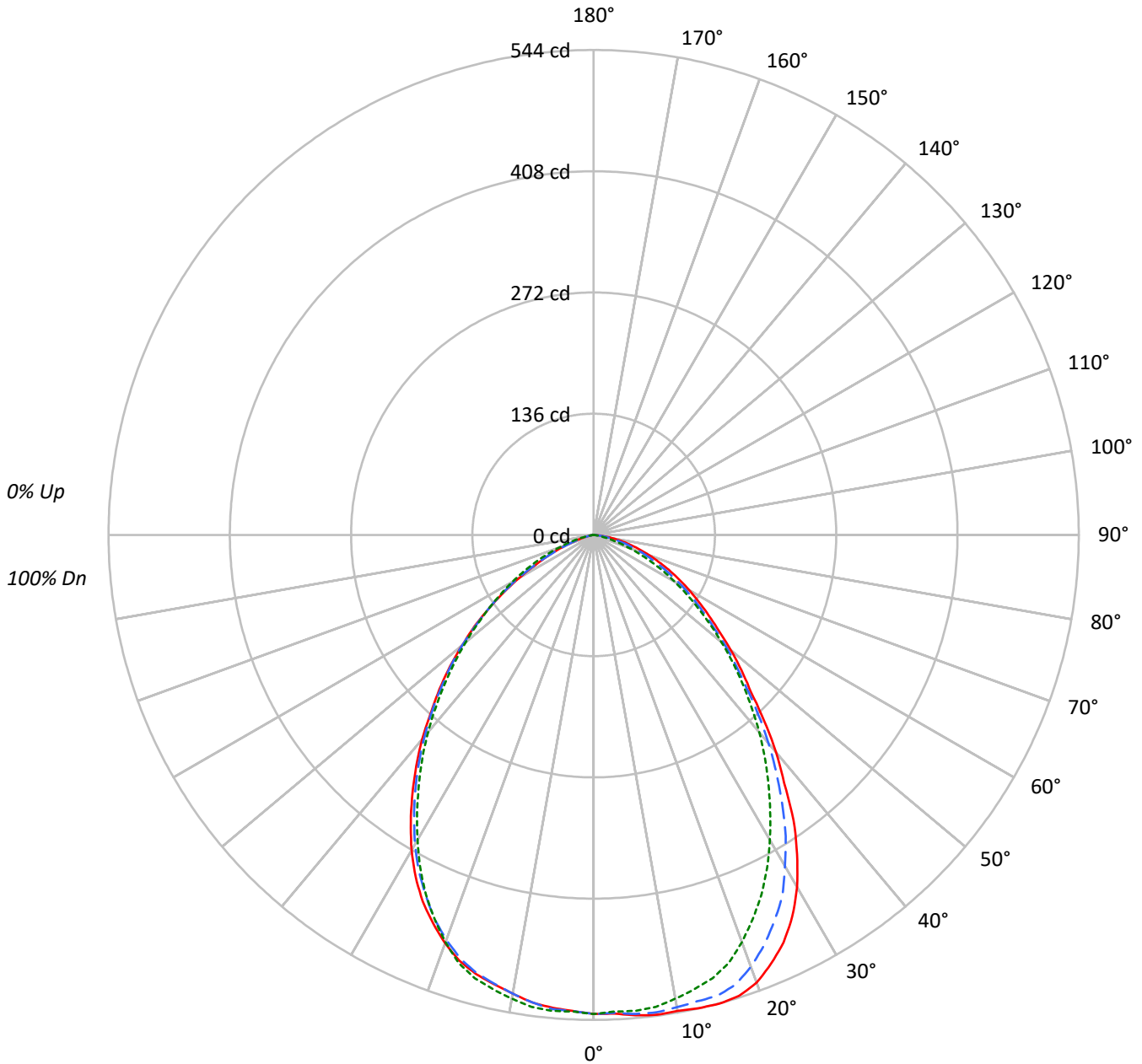
Lumens per Lamp: N/A  
Luminaire Lumens: 1052.9 lumens  
Efficiency: N/A  
Efficacy: 106.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581667  
CATALOG NUMBER: HCC6S10D010MW-HM60525935-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581667

CATALOG NUMBER: HCC6S10D010MW-HM60525935-61RWWH

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	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°	29460	29460	29460
5°	29765	29490	29298
10°	30182	29403	29085
15°	30897	29217	28939
20°	31182	28352	28428
25°	30498	26923	27431
30°	28884	25010	25852
35°	26160	22854	23704
40°	22778	20667	21419
45°	19328	18289	18948
50°	17117	15974	16392
55°	15082	13667	13600
60°	13519	11501	10569
65°	12051	9223	7575
70°	10611	6652	4728
75°	8938	4024	2690
80°	6882	1799	1105
85°	3963	440	440



TEST NUMBER: P581667  
 CATALOG NUMBER: HCC6S10D010MW-HM60525935-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.0	4.8
10°-20°	146.6	13.9
20°-30°	211.9	20.1
30°-40°	223.0	21.2
40°-50°	187.4	17.8
50°-60°	131.6	12.5
60°-70°	72.4	6.9
70°-80°	25.7	2.4
80°-90°	3.4	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°	409.5	38.9
0°-40°	632.5	60.1
0°-60°	951.5	90.4
0°-90°	1052.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1052.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	537	537	537	537	537	
5°	541	539	536	534	532	52
15°	544	535	515	508	510	154
25°	504	479	445	446	454	231
35°	391	368	342	349	354	242
45°	249	242	236	242	244	196
55°	158	149	143	143	142	142
65°	93	83	71	58	58	93
75°	42	34	19	13	13	45
85°	6	4	1	1	1	9
90°	0	0	0	0	0	

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



TEST NUMBER: P581667

CATALOG NUMBER: HCC6S10D010MW-HM60525935-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4	537.4
2.5°	537.4	537.4	536.7	536.7	535.2	535.2	534.5	534.5	534.5
5°	540.9	540.9	539.4	537.4	535.9	533.9	533.9	533.1	532.4
7.5°	543.0	542.2	540.2	537.4	533.9	530.3	528.9	529.5	528.9
10°	542.2	540.9	538.0	532.4	528.2	523.2	522.5	521.9	522.5
12.5°	543.7	541.5	535.9	528.9	521.9	516.2	515.5	515.5	516.2
15°	544.4	542.2	535.2	524.7	514.8	509.2	508.5	509.2	509.9
17.5°	542.2	539.4	528.9	514.8	503.5	497.9	497.9	499.3	500.7
20°	534.5	530.3	515.5	498.6	486.0	481.7	483.1	486.0	487.3
22.5°	520.4	515.5	498.6	479.6	466.2	462.6	466.2	469.8	471.1
25°	504.2	498.6	478.8	459.1	445.1	440.8	445.8	451.4	453.5
27.5°	482.5	476.1	457.8	435.3	421.1	419.1	424.6	431.0	432.4
30°	456.3	449.3	428.9	407.7	395.1	394.4	400.7	406.4	408.4
32.5°	424.6	418.3	400.7	379.6	368.4	368.4	374.7	379.6	381.7
35°	390.9	383.9	368.4	350.7	341.5	342.3	348.7	352.2	354.2
37.5°	350.7	348.7	336.7	321.8	315.5	317.0	321.8	324.7	326.8
40°	318.3	312.7	305.0	293.0	288.8	290.1	295.1	297.9	299.3
42.5°	283.1	279.6	273.3	264.8	261.9	264.1	268.3	270.4	269.8
45°	249.3	248.6	242.2	237.4	235.9	238.7	241.6	243.7	244.4
47.5°	224.7	221.9	216.2	212.7	211.2	214.1	216.9	218.4	218.4
50°	200.7	197.9	192.2	188.7	187.3	190.2	192.2	193.7	192.2
52.5°	176.8	174.0	169.0	164.8	164.1	165.5	166.2	166.9	168.3
55°	157.8	155.0	149.3	144.3	143.0	143.7	143.0	143.0	142.3
57.5°	139.5	136.6	131.0	125.3	123.3	122.5	120.4	119.8	119.0
60°	123.3	119.8	114.1	107.8	104.9	102.1	98.6	96.4	96.4
62.5°	107.8	104.3	97.9	92.3	88.1	83.1	77.4	74.6	74.6
65°	92.9	90.1	83.1	76.7	71.1	64.8	58.4	57.1	58.4
67.5°	78.9	76.1	69.1	62.7	55.6	47.9	42.2	42.2	43.7
70°	66.2	63.4	57.1	49.2	41.5	33.8	29.5	29.5	29.5
72.5°	54.2	51.4	44.4	37.4	29.5	21.8	19.7	20.4	19.7
75°	42.2	40.2	33.8	26.0	19.0	13.4	12.7	12.0	12.7
77.5°	31.7	29.5	24.0	16.9	10.5	7.7	7.0	7.0	7.0
80°	21.8	19.7	15.5	9.8	5.7	3.5	3.5	3.5	3.5
82.5°	13.4	11.3	8.5	5.0	2.2	2.2	2.2	2.2	2.2
85°	6.3	5.0	3.5	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	1.4	1.4	0.7	0.7	0.0	0.7	0.7	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)