

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: P583340

Luminaire Tested: **HCC6S07D010MW-HM60525840-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583340  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S07D010MW-HM60525840-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

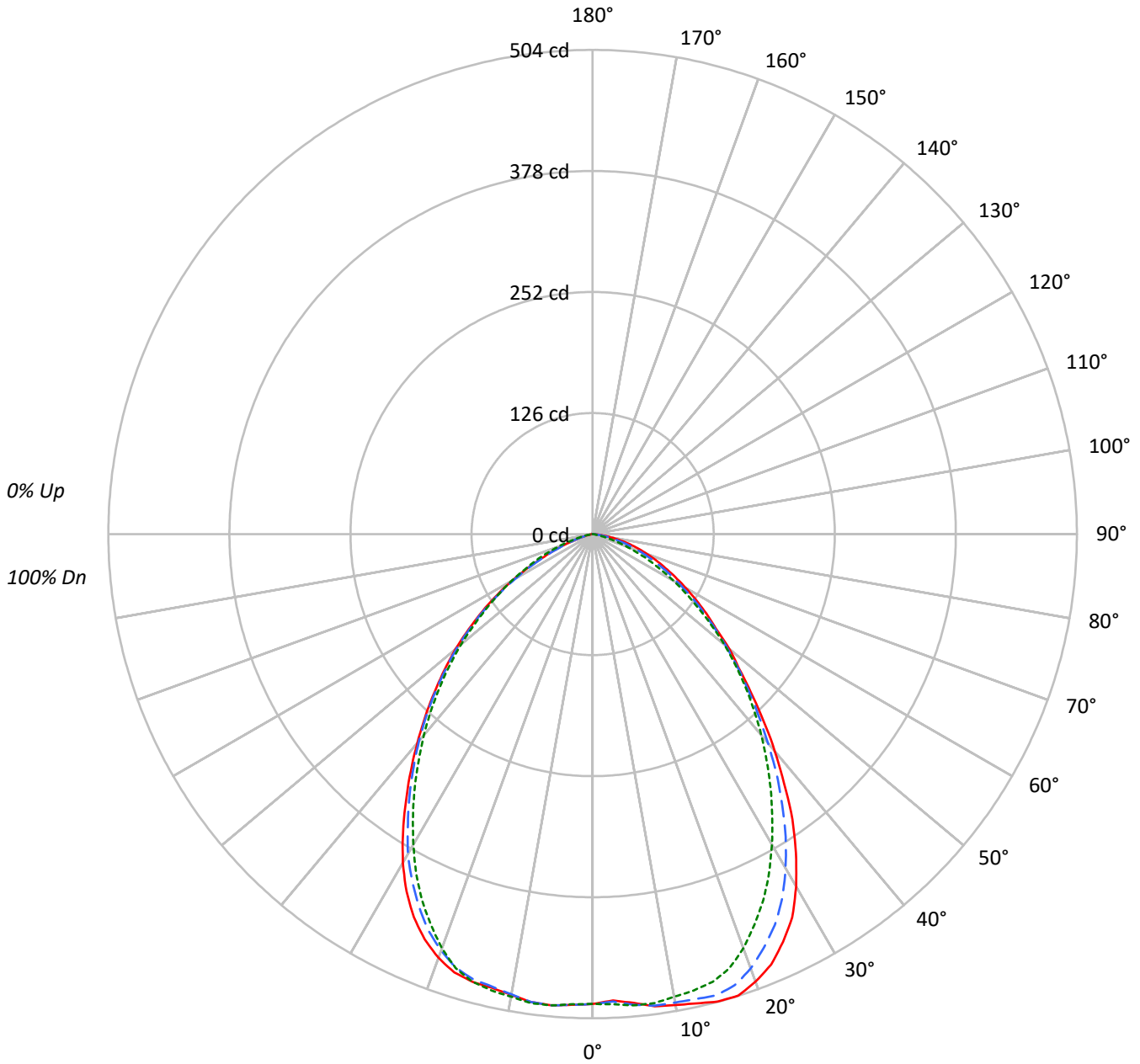
Lumens per Lamp: N/A  
Luminaire Lumens: 987.5 lumens  
Efficiency: N/A  
Efficacy: 123.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P583340  
CATALOG NUMBER: HCC6S07D010MW-HM60525840-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583340

CATALOG NUMBER: HCC6S07D010MW-HM60525840-61RWWC

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

RF	20									20									20									20									
RC	80									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	88																			
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77																			
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68																			
4	88	78	70	64	86	76	69	64	74	68	63	72	67	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	62	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	26813	26813	26813
5°	26953	27097	27097
10°	27705	27226	27115
15°	28587	27384	27384
20°	28924	26754	27378
25°	28344	25417	26620
30°	26808	23618	25004
35°	24266	21603	22667
40°	21104	19544	20302
45°	18033	17420	18033
50°	15829	15257	15889
55°	13811	12855	13362
60°	12214	10679	10536
65°	10831	8419	7212
70°	9553	5963	4360
75°	8133	3368	2118
80°	6093	1042	631
85°	3334	440	440



TEST NUMBER: P583340  
 CATALOG NUMBER: HCC6S07D010MW-HM60525840-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.9	4.8
10°-20°	137.3	13.9
20°-30°	200.5	20.3
30°-40°	210.3	21.3
40°-50°	177.1	17.9
50°-60°	124.1	12.6
60°-70°	66.5	6.7
70°-80°	22.3	2.3
80°-90°	2.4	0.2
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°	384.7	39.0
0°-40°	594.9	60.2
0°-60°	896.2	90.8
0°-90°	987.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	489	489	489	489	489	
5°	490	492	492	492	492	47
15°	504	497	482	480	482	142
25°	469	449	420	428	440	215
35°	363	344	323	332	339	225
45°	233	229	225	231	233	181
55°	144	140	134	137	140	130
65°	84	76	65	54	56	83
75°	38	30	16	10	10	41
85°	5	3	1	1	1	7
90°	0	0	0	0	0	

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



TEST NUMBER: P583340

CATALOG NUMBER: HCC6S07D010MW-HM60525840-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1	489.1
2.5°	485.8	485.8	487.1	488.4	489.8	489.8	490.5	491.2	490.5
5°	489.8	489.8	491.7	492.4	492.4	491.7	492.4	492.4	492.4
7.5°	495.8	494.4	495.1	493.8	492.4	491.7	491.2	491.2	491.2
10°	497.7	496.4	495.1	492.4	489.1	487.1	486.5	487.1	487.1
12.5°	500.3	499.1	495.8	490.5	486.5	483.1	482.5	483.8	483.8
15°	503.7	502.4	497.0	488.4	482.5	479.1	479.8	481.2	482.5
17.5°	503.7	501.0	492.4	481.2	473.8	470.5	473.3	476.5	478.5
20°	495.8	493.1	481.2	467.2	458.6	456.6	461.2	467.2	469.3
22.5°	485.2	479.8	465.9	449.3	440.1	440.1	446.7	454.0	456.6
25°	468.6	464.6	448.7	429.5	420.2	419.5	427.5	437.5	440.1
27.5°	450.0	444.7	427.5	407.7	397.7	398.4	407.0	416.8	419.5
30°	423.5	416.8	401.6	382.4	373.1	375.8	384.4	391.7	395.0
32.5°	393.7	387.7	373.8	355.9	347.9	350.6	357.9	364.5	367.2
35°	362.6	355.9	344.0	328.1	322.8	325.4	332.1	337.3	338.7
37.5°	327.4	322.8	314.2	301.6	297.5	300.9	306.2	309.5	310.8
40°	294.9	291.0	283.7	274.4	273.1	275.7	281.0	283.0	283.7
42.5°	263.1	259.8	255.2	248.6	248.6	251.2	255.8	257.2	257.9
45°	232.6	230.7	228.6	223.3	224.7	228.0	230.7	232.6	232.6
47.5°	206.1	206.8	204.2	200.2	201.4	204.8	206.8	208.8	208.8
50°	185.6	183.5	180.9	177.0	178.9	181.6	184.2	185.6	186.3
52.5°	161.7	161.0	159.1	154.4	155.8	157.0	159.8	161.7	162.4
55°	144.5	142.5	139.8	134.5	134.5	135.8	137.2	138.6	139.8
57.5°	127.9	125.9	121.9	116.0	115.3	115.3	114.7	116.0	117.9
60°	111.4	110.7	104.7	99.4	97.4	95.4	92.8	93.5	96.1
62.5°	96.8	95.4	90.2	83.5	79.5	76.3	72.9	72.3	74.9
65°	83.5	82.1	76.3	69.6	64.9	59.0	53.7	53.7	55.6
67.5°	71.6	68.9	63.7	56.3	50.4	43.1	37.7	39.1	39.8
70°	59.6	57.7	51.7	44.4	37.2	29.8	26.5	27.2	27.2
72.5°	49.1	46.3	40.4	33.1	25.8	19.3	17.9	17.2	17.2
75°	38.4	35.8	29.8	22.5	15.9	11.2	10.0	10.0	10.0
77.5°	27.9	25.8	20.5	13.9	8.6	5.3	4.6	4.0	4.0
80°	19.3	17.2	12.6	7.3	3.3	2.0	2.0	2.0	2.0
82.5°	11.2	9.3	6.0	3.3	1.4	0.7	0.7	0.7	0.7
85°	5.3	4.0	2.6	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	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)