

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: P583305

Luminaire Tested: **HCC6W07D010MW-HM60525830-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583305  
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: HCC6W07D010MW-HM60525830-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

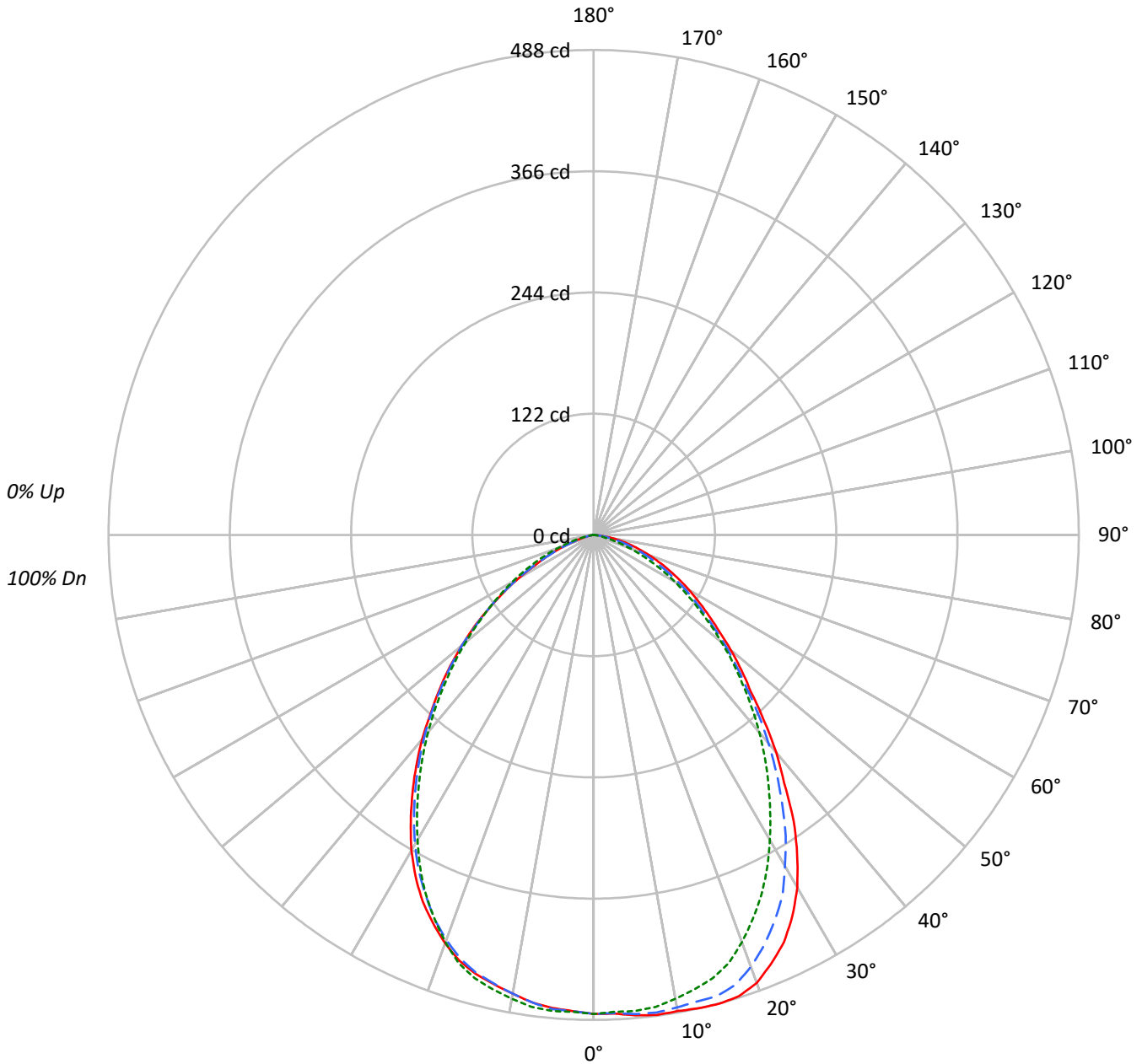
Lumens per Lamp: N/A  
Luminaire Lumens: 944.7 lumens  
Efficiency: N/A  
Efficacy: 118.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (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: P583305  
CATALOG NUMBER: HCC6W07D010MW-HM60525830-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583305

CATALOG NUMBER: HCC6W07D010MW-HM60525830-61RWWH

**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	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°	26429	26429	26429
5°	26706	26458	26288
10°	27081	26380	26096
15°	27719	26215	25965
20°	27979	25436	25506
25°	27364	24159	24618
30°	25922	22440	23200
35°	23470	20512	21268
40°	20438	18542	19215
45°	17343	16405	16994
50°	15351	14328	14720
55°	13524	12262	12205
60°	12126	10328	9495
65°	10818	8276	6810
70°	9521	5979	4248
75°	8049	3622	2393
80°	6188	1610	1010
85°	3585	440	440



TEST NUMBER: P583305

CATALOG NUMBER: HCC6W07D010MW-HM60525830-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.8	4.8
10°-20°	131.5	13.9
20°-30°	190.1	20.1
30°-40°	200.1	21.2
40°-50°	168.2	17.8
50°-60°	118.0	12.5
60°-70°	64.9	6.9
70°-80°	23.1	2.4
80°-90°	3.0	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°	367.4	38.9
0°-40°	567.5	60.1
0°-60°	853.7	90.4
0°-90°	944.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	482	482	482	482	482	
5°	485	484	481	479	478	46
15°	488	480	462	456	458	138
25°	452	430	399	400	407	207
35°	351	330	306	313	318	217
45°	224	217	212	217	219	175
55°	142	134	128	128	128	127
65°	83	75	64	52	52	83
75°	38	30	17	11	11	41
85°	6	3	1	1	1	8
90°	0	0	0	0	0	

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



TEST NUMBER: P583305

CATALOG NUMBER: HCC6W07D010MW-HM60525830-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1	482.1
2.5°	482.1	482.1	481.5	481.5	480.3	480.3	479.6	479.6	479.6
5°	485.3	485.3	484.0	482.1	480.8	478.9	478.9	478.4	477.7
7.5°	487.2	486.5	484.7	482.1	478.9	475.7	474.5	475.2	474.5
10°	486.5	485.3	482.8	477.7	473.9	469.5	468.8	468.3	468.8
12.5°	487.8	485.9	480.8	474.5	468.3	463.2	462.5	462.5	463.2
15°	488.4	486.5	480.3	470.8	461.9	456.8	456.3	456.8	457.5
17.5°	486.5	484.0	474.5	461.9	451.8	446.7	446.7	448.0	449.2
20°	479.6	475.7	462.5	447.4	436.0	432.2	433.5	436.0	437.2
22.5°	466.9	462.5	447.4	430.3	418.3	415.1	418.3	421.5	422.7
25°	452.4	447.4	429.6	412.0	399.4	395.5	399.9	405.0	407.0
27.5°	432.8	427.1	410.7	390.5	377.9	375.9	381.0	386.7	387.9
30°	409.5	403.1	384.8	365.8	354.5	353.8	359.5	364.6	366.5
32.5°	381.0	375.4	359.5	340.6	330.5	330.5	336.2	340.6	342.5
35°	350.7	344.3	330.5	314.6	306.5	307.0	312.8	315.9	317.8
37.5°	314.6	312.8	302.1	288.8	283.0	284.4	288.8	291.3	293.2
40°	285.6	280.5	273.6	262.9	259.1	260.4	264.8	267.3	268.5
42.5°	254.0	250.8	245.2	237.6	235.1	236.9	240.8	242.7	242.0
45°	223.7	223.1	217.3	212.9	211.6	214.3	216.7	218.7	219.2
47.5°	201.6	199.1	194.0	190.8	189.6	192.0	194.6	195.9	195.9
50°	180.0	177.5	172.6	169.4	168.0	170.6	172.6	173.8	172.6
52.5°	158.6	156.1	151.6	147.9	147.2	148.5	149.1	149.8	151.0
55°	141.5	139.0	133.9	129.5	128.3	128.9	128.3	128.3	127.7
57.5°	125.1	122.6	117.5	112.5	110.6	109.9	108.1	107.4	106.8
60°	110.6	107.4	102.3	96.6	94.2	91.7	88.5	86.6	86.6
62.5°	96.6	93.5	87.8	82.8	79.0	74.6	69.5	67.0	67.0
65°	83.4	80.9	74.6	68.9	63.8	58.1	52.5	51.2	52.5
67.5°	70.8	68.2	62.0	56.2	50.0	42.9	38.0	38.0	39.2
70°	59.4	56.9	51.2	44.2	37.3	30.4	26.5	26.5	26.5
72.5°	48.6	46.1	39.8	33.5	26.5	19.6	17.7	18.4	17.7
75°	38.0	36.0	30.4	23.3	17.1	12.0	11.3	10.8	11.3
77.5°	28.4	26.5	21.5	15.2	9.5	6.9	6.3	6.3	6.3
80°	19.6	17.7	13.9	8.8	5.1	3.2	3.2	3.2	3.2
82.5°	12.0	10.1	7.6	4.4	1.9	1.9	1.9	1.9	1.9
85°	5.7	4.4	3.2	1.2	0.7	0.7	0.7	0.7	0.7
87.5°	1.2	1.2	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)