

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: P593084

Luminaire Tested: **HCC6W10D010MW-HM60525950-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593084  
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: HCC6W10D010MW-HM60525950-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

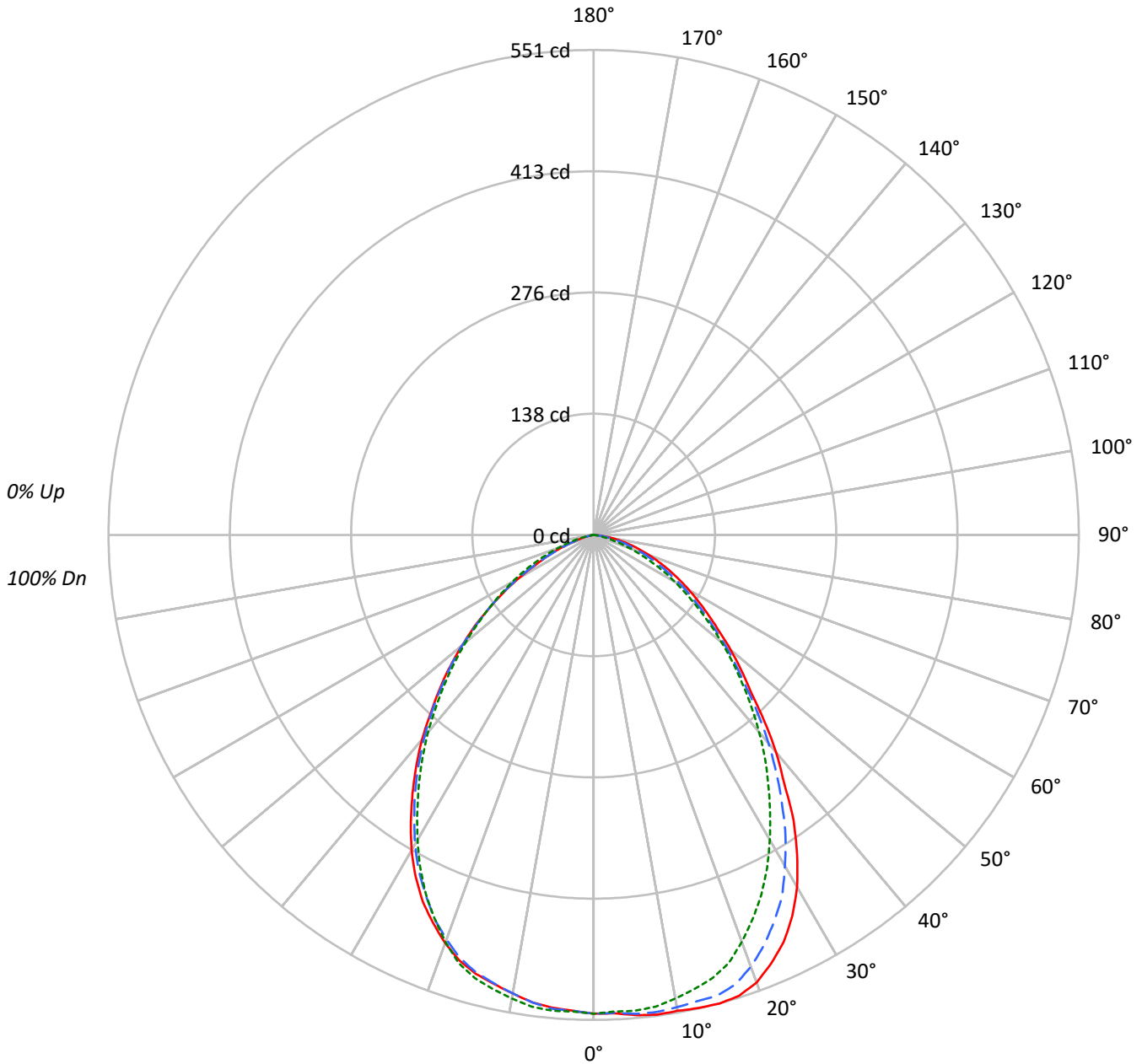
Lumens per Lamp: N/A  
Luminaire Lumens: 1066.1 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P593084  
CATALOG NUMBER: HCC6W10D010MW-HM60525950-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P593084

CATALOG NUMBER: HCC6W10D010MW-HM60525950-61RWWH

**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°	29822	29822	29822
5°	30140	29865	29666
10°	30561	29770	29453
15°	31283	29586	29302
20°	31573	28702	28784
25°	30879	27256	27782
30°	29251	25320	26181
35°	26481	23142	23999
40°	23065	20925	21683
45°	19568	18521	19188
50°	17330	16179	16605
55°	15263	13839	13763
60°	13672	11655	10712
65°	12206	9340	7679
70°	10739	6748	4809
75°	9065	4067	2711
80°	6977	1799	1105
85°	4088	440	440



TEST NUMBER: P593084  
 CATALOG NUMBER: HCC6W10D010MW-HM60525950-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.6	4.8
10°-20°	148.4	13.9
20°-30°	214.6	20.1
30°-40°	225.8	21.2
40°-50°	189.8	17.8
50°-60°	133.2	12.5
60°-70°	73.3	6.9
70°-80°	26.0	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°	414.6	38.9
0°-40°	640.4	60.1
0°-60°	963.4	90.4
0°-90°	1066.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1066.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	544	544	544	544	544	
5°	548	546	543	540	539	52
15°	551	542	521	515	516	156
25°	510	485	451	451	459	234
35°	396	373	346	353	359	245
45°	252	245	239	245	248	198
55°	160	151	145	145	144	144
65°	94	84	72	59	59	94
75°	43	34	19	13	13	46
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: P593084

CATALOG NUMBER: HCC6W10D010MW-HM60525950-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0
2.5°	544.0	544.0	543.4	543.4	541.9	541.9	541.2	541.2	541.2
5°	547.7	547.7	546.2	544.0	542.7	540.5	540.5	539.7	539.1
7.5°	549.8	549.0	546.9	544.0	540.5	536.9	535.5	536.2	535.5
10°	549.0	547.7	544.8	539.1	534.8	529.8	529.1	528.4	529.1
12.5°	550.5	548.3	542.7	535.5	528.4	522.6	522.0	522.0	522.6
15°	551.2	549.0	541.9	531.2	521.3	515.5	514.8	515.5	516.3
17.5°	549.0	546.2	535.5	521.3	509.9	504.2	504.2	505.6	507.0
20°	541.2	536.9	522.0	504.9	492.0	487.8	489.1	492.0	493.4
22.5°	526.9	522.0	504.9	485.6	472.0	468.5	472.0	475.7	477.0
25°	510.5	504.9	484.8	464.9	450.6	446.3	451.3	457.1	459.3
27.5°	488.5	482.0	463.4	440.7	426.4	424.3	429.9	436.4	437.9
30°	462.1	455.0	434.2	412.8	400.0	399.4	405.7	411.5	413.6
32.5°	429.9	423.6	405.7	384.3	372.9	372.9	379.3	384.3	386.5
35°	395.7	388.6	372.9	355.1	345.8	346.5	353.0	356.6	358.6
37.5°	355.1	353.0	340.8	325.9	319.5	320.9	325.9	328.7	330.9
40°	322.3	316.6	308.8	296.6	292.4	293.8	298.7	301.7	303.0
42.5°	286.6	283.1	276.7	268.1	265.2	267.4	271.7	273.8	273.2
45°	252.4	251.8	245.3	240.3	238.9	241.7	244.6	246.8	247.5
47.5°	227.4	224.6	218.9	215.3	213.9	216.8	219.6	221.1	221.1
50°	203.2	200.4	194.7	191.1	189.7	192.6	194.7	196.1	194.7
52.5°	179.0	176.1	171.2	166.9	166.2	167.5	168.3	169.0	170.4
55°	159.7	156.9	151.1	146.1	144.8	145.5	144.8	144.8	144.0
57.5°	141.2	138.3	132.7	126.9	124.7	124.1	121.9	121.2	120.6
60°	124.7	121.2	115.5	109.1	106.3	103.4	99.8	97.7	97.7
62.5°	109.1	105.5	99.2	93.4	89.1	84.1	78.4	75.6	75.6
65°	94.1	91.2	84.1	77.8	72.0	65.7	59.2	57.7	59.2
67.5°	79.9	77.0	69.8	63.5	56.4	48.4	42.8	42.8	44.3
70°	67.0	64.2	57.7	49.9	42.1	34.2	30.0	30.0	30.0
72.5°	54.9	52.1	44.9	37.8	30.0	22.1	19.9	20.7	19.9
75°	42.8	40.6	34.2	26.4	19.2	13.6	12.8	12.1	12.8
77.5°	32.0	30.0	24.2	17.1	10.6	7.8	7.1	7.1	7.1
80°	22.1	19.9	15.7	10.0	5.7	3.5	3.5	3.5	3.5
82.5°	13.6	11.4	8.6	5.0	2.2	2.2	2.2	2.2	2.2
85°	6.5	5.0	3.5	1.5	0.7	0.7	0.7	0.7	0.7
87.5°	1.5	1.5	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)