

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: P583341

Luminaire Tested: **HCC6W07D010BZ-HM60525840-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583341  
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: HCC6W07D010BZ-HM60525840-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

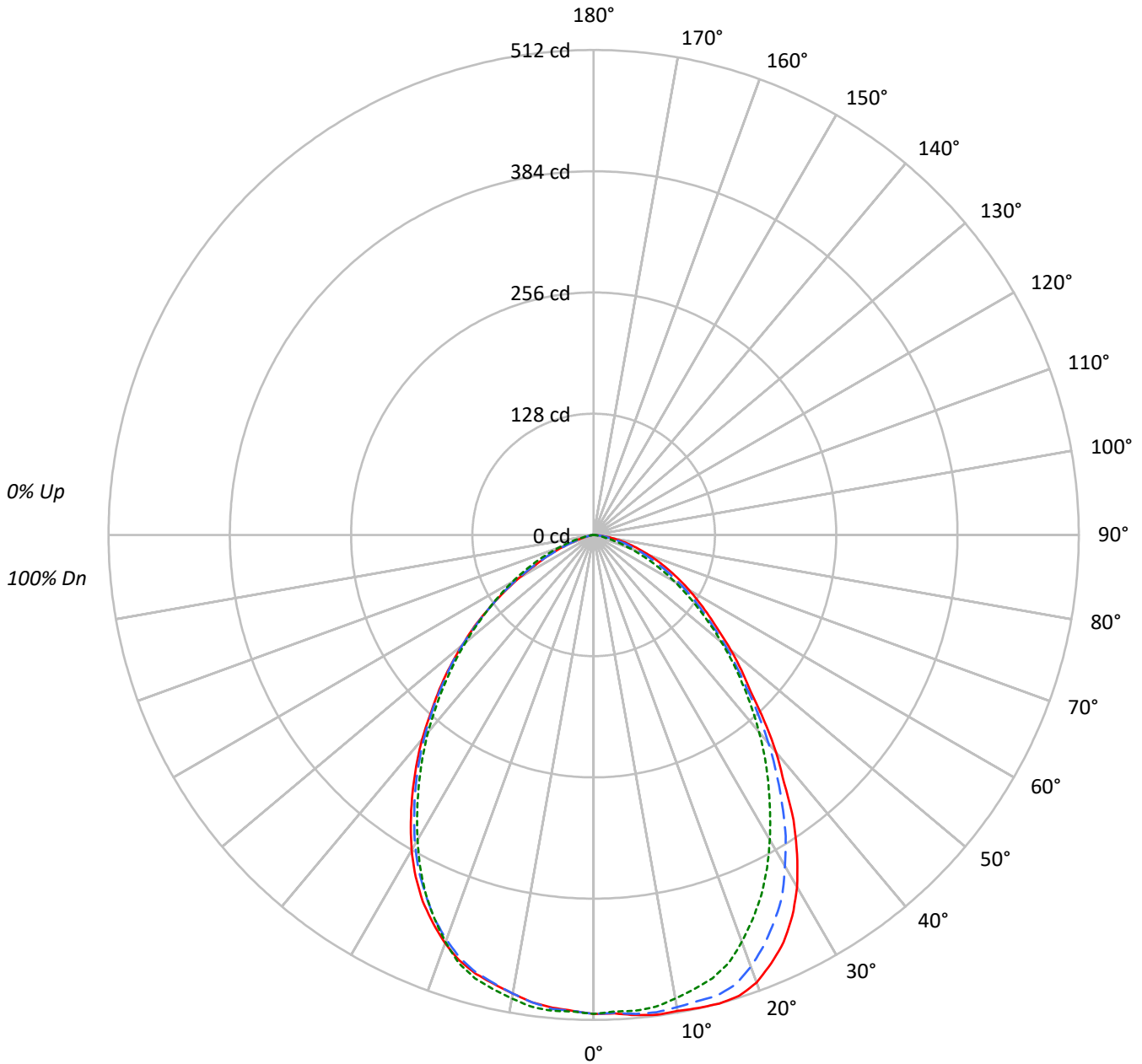
Lumens per Lamp: N/A  
Luminaire Lumens: 990.8 lumens  
Efficiency: N/A  
Efficacy: 123.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P583341  
CATALOG NUMBER: HCC6W07D010BZ-HM60525840-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583341

CATALOG NUMBER: HCC6W07D010BZ-HM60525840-61RWWH

**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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88					88			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77					77			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67					67			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59					59			
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53					53			
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47					47			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42					42			
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38					38			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35					35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32					32			

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

	0°	90°	180°
0°	27723	27723	27723
5°	28005	27751	27570
10°	28406	27666	27371
15°	29069	27497	27231
20°	29338	26678	26754
25°	28701	25338	25816
30°	27181	23529	24327
35°	24614	21509	22305
40°	21440	19444	20159
45°	18188	17211	17831
50°	16110	15036	15428
55°	14183	12855	12798
60°	12718	10832	9955
65°	11350	8691	7134
70°	9986	6267	4472
75°	8430	3791	2521
80°	6472	1673	1042
85°	3774	440	440



TEST NUMBER: P583341  
 CATALOG NUMBER: HCC6W07D010BZ-HM60525840-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	4.8
10°-20°	137.9	13.9
20°-30°	199.4	20.1
30°-40°	209.8	21.2
40°-50°	176.4	17.8
50°-60°	123.8	12.5
60°-70°	68.1	6.9
70°-80°	24.2	2.4
80°-90°	3.2	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°	385.3	38.9
0°-40°	595.2	60.1
0°-60°	895.3	90.4
0°-90°	990.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	990.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	506	506	506	506	506	
5°	509	508	504	502	501	49
15°	512	504	484	478	480	145
25°	474	451	419	419	427	217
35°	368	347	321	328	333	228
45°	235	228	222	227	230	184
55°	148	140	134	134	134	134
65°	88	78	67	55	55	87
75°	40	32	18	12	12	43
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: P583341

CATALOG NUMBER: HCC6W07D010BZ-HM60525840-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	505.7	505.7	505.7	505.7	505.7	505.7	505.7	505.7	505.7
2.5°	505.7	505.7	505.0	505.0	503.6	503.6	502.9	502.9	502.9
5°	508.9	508.9	507.6	505.7	504.3	502.4	502.4	501.7	501.0
7.5°	511.0	510.3	508.3	505.7	502.4	499.0	497.7	498.3	497.7
10°	510.3	508.9	506.3	501.0	497.0	492.4	491.7	491.0	491.7
12.5°	511.5	509.6	504.3	497.7	491.0	485.7	485.0	485.0	485.7
15°	512.2	510.3	503.6	493.8	484.5	479.1	478.5	479.1	479.8
17.5°	510.3	507.6	497.7	484.5	473.8	468.5	468.5	469.9	471.2
20°	502.9	499.0	485.0	469.2	457.3	453.3	454.6	457.3	458.6
22.5°	489.7	485.0	469.2	451.3	438.7	435.4	438.7	442.0	443.3
25°	474.5	469.2	450.6	432.1	418.9	414.8	419.4	424.8	426.8
27.5°	454.0	448.0	430.8	409.6	396.3	394.3	399.6	405.6	406.9
30°	429.4	422.8	403.6	383.7	371.7	371.1	377.1	382.4	384.3
32.5°	399.6	393.6	377.1	357.2	346.6	346.6	352.6	357.2	359.2
35°	367.8	361.2	346.6	330.0	321.4	322.1	328.0	331.4	333.3
37.5°	330.0	328.0	316.8	302.9	296.8	298.2	302.9	305.5	307.5
40°	299.6	294.2	287.0	275.7	271.7	273.1	277.7	280.3	281.7
42.5°	266.4	263.1	257.1	249.1	246.5	248.5	252.4	254.5	253.8
45°	234.6	234.0	228.0	223.3	222.0	224.7	227.3	229.3	230.0
47.5°	211.4	208.7	203.5	200.1	198.8	201.4	204.2	205.4	205.4
50°	188.9	186.3	180.9	177.7	176.3	178.9	180.9	182.2	180.9
52.5°	166.3	163.7	159.1	155.1	154.4	155.8	156.4	157.0	158.4
55°	148.4	145.8	140.5	135.8	134.5	135.2	134.5	134.5	133.9
57.5°	131.2	128.6	123.3	117.9	116.0	115.3	113.3	112.6	111.9
60°	116.0	112.6	107.4	101.4	98.8	96.1	92.8	90.8	90.8
62.5°	101.4	98.1	92.1	86.8	82.8	78.2	72.9	70.2	70.2
65°	87.5	84.9	78.2	72.3	67.0	61.0	55.0	53.7	55.0
67.5°	74.2	71.6	64.9	59.0	52.3	45.1	39.8	39.8	41.1
70°	62.3	59.6	53.7	46.3	39.1	31.8	27.9	27.9	27.9
72.5°	51.0	48.4	41.7	35.1	27.9	20.5	18.6	19.3	18.6
75°	39.8	37.7	31.8	24.5	17.9	12.6	11.9	11.2	11.9
77.5°	29.8	27.9	22.5	15.9	10.0	7.3	6.6	6.6	6.6
80°	20.5	18.6	14.6	9.3	5.3	3.3	3.3	3.3	3.3
82.5°	12.6	10.7	7.9	4.6	2.0	2.0	2.0	2.0	2.0
85°	6.0	4.6	3.3	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)