

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: P583420

Luminaire Tested: **HCC6W07D010BZ-HM60525940-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583420  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W07D010BZ-HM60525940-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

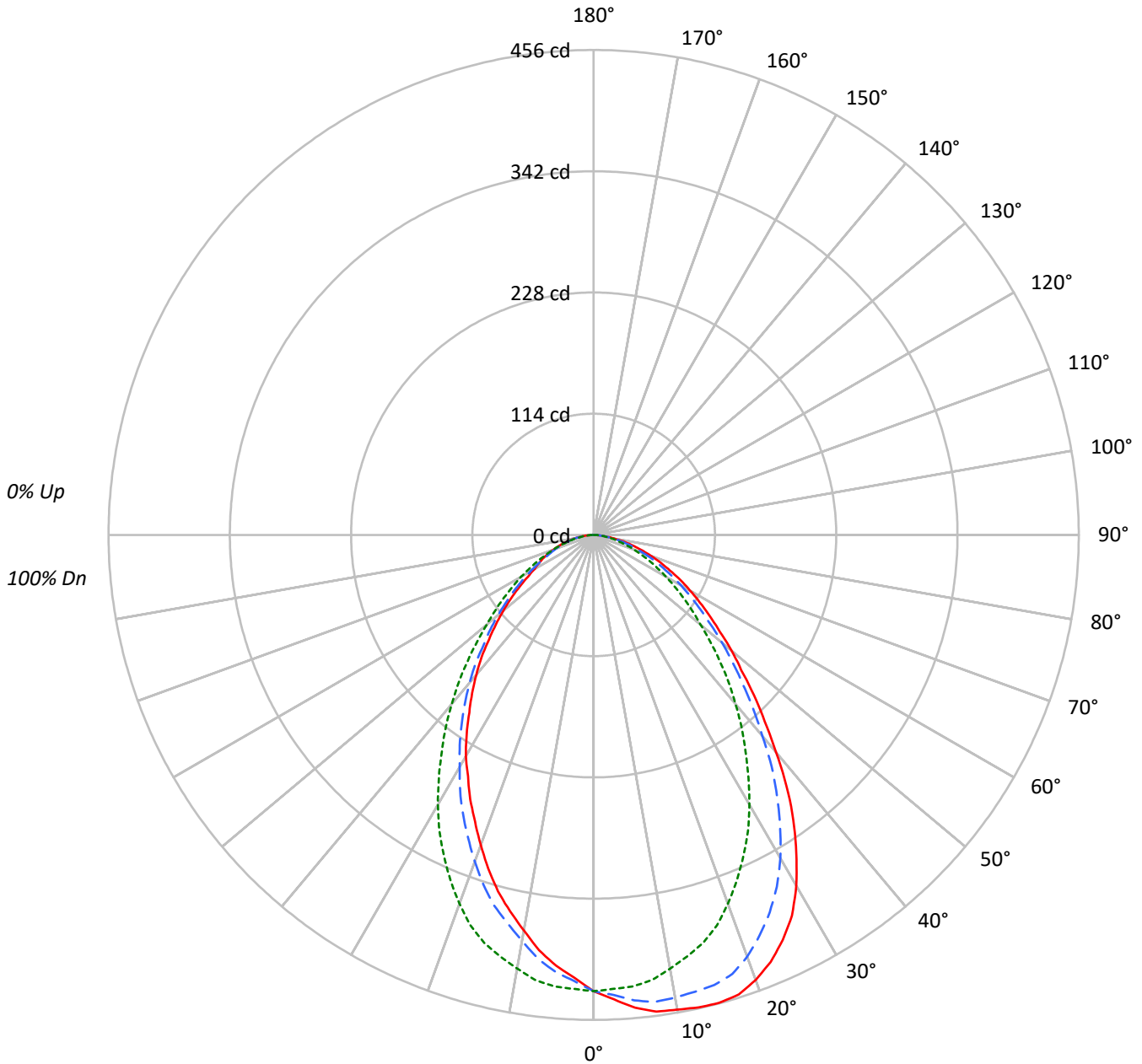
Lumens per Lamp: N/A  
Luminaire Lumens: 799.1 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P583420  
CATALOG NUMBER: HCC6W07D010BZ-HM60525940-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583420

CATALOG NUMBER: HCC6W07D010BZ-HM60525940-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

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

	0°	90°	180°
0°	23518	23518	23518
5°	24560	23448	22370
10°	25228	23046	21019
15°	25857	22543	19694
20°	25972	21521	18091
25°	25423	20148	16592
30°	24118	18534	15205
35°	21904	16650	13639
40°	19086	14828	12273
45°	16513	12986	10784
50°	14430	11181	9450
55°	12750	9825	8114
60°	11457	8607	7028
65°	10261	7498	6823
70°	9168	6395	6395
75°	7943	5380	5994
80°	6377	4546	5462
85°	4340	3963	4717



TEST NUMBER: P583420  
 CATALOG NUMBER: HCC6W07D010BZ-HM60525940-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	5.0
10°-20°	112.1	14.0
20°-30°	156.2	19.5
30°-40°	160.9	20.1
40°-50°	133.4	16.7
50°-60°	95.9	12.0
60°-70°	61.0	7.6
70°-80°	31.3	3.9
80°-90°	8.0	1.0
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°	308.6	38.6
0°-40°	469.5	58.8
0°-60°	698.7	87.4
0°-90°	799.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	429	429	429	429	429	
5°	446	439	426	412	406	43
15°	456	438	397	361	347	128
25°	420	392	333	290	274	193
35°	327	301	249	216	204	203
45°	213	198	168	146	139	165
55°	133	122	103	91	85	120
65°	79	70	58	50	53	79
75°	38	32	25	26	28	40
85°	7	6	6	7	8	9
90°	0	0	0	0	0	

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



TEST NUMBER: P583420

CATALOG NUMBER: HCC6W07D010BZ-HM60525940-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
2.5°	437.1	435.3	433.0	430.8	427.3	423.2	419.8	418.6	416.8
5°	446.3	444.0	439.4	433.6	426.1	418.6	412.3	408.2	406.5
7.5°	452.1	449.2	442.9	433.0	422.0	411.1	401.9	396.1	393.8
10°	453.2	450.4	441.6	428.4	414.0	398.9	387.4	380.5	377.6
12.5°	455.0	450.9	439.9	424.4	406.0	388.6	374.1	365.5	362.6
15°	455.6	450.9	438.2	419.2	397.2	376.5	360.9	350.4	347.0
17.5°	453.2	448.1	433.0	409.9	385.1	363.1	344.7	333.8	329.1
20°	445.2	439.4	422.0	396.1	368.9	345.9	326.8	315.2	310.1
22.5°	434.7	427.3	407.7	379.9	351.6	327.3	308.3	296.7	291.6
25°	420.3	413.4	391.5	362.0	333.1	307.7	290.4	278.3	274.3
27.5°	403.6	395.5	373.0	343.5	314.1	288.7	271.9	260.9	255.8
30°	381.0	373.6	351.0	321.5	292.8	269.1	251.8	242.5	240.2
32.5°	354.5	348.2	326.2	298.5	270.8	248.8	234.4	224.6	222.3
35°	327.3	319.8	300.8	274.9	248.8	229.2	215.9	207.2	203.8
37.5°	298.0	291.0	274.9	251.8	228.6	210.2	198.6	191.1	187.6
40°	266.7	261.6	246.5	228.1	207.2	191.1	181.3	174.9	171.5
42.5°	237.9	232.7	222.3	205.0	187.6	173.2	164.5	158.7	155.9
45°	213.0	208.5	198.0	183.0	167.5	155.3	146.0	142.1	139.1
47.5°	188.2	185.9	176.6	162.8	148.4	138.0	131.7	127.0	124.7
50°	169.2	166.3	157.6	143.2	131.1	122.9	117.2	113.2	110.8
52.5°	149.6	146.6	138.6	126.4	116.6	109.1	103.3	99.9	97.6
55°	133.4	131.1	122.4	111.5	102.8	96.4	91.2	87.2	84.9
57.5°	118.4	116.0	108.0	97.6	90.1	84.3	79.6	76.3	73.3
60°	104.5	102.8	94.7	84.9	78.5	72.7	68.7	65.8	64.1
62.5°	92.3	88.9	82.0	73.3	67.5	62.9	58.9	57.2	58.3
65°	79.1	77.4	70.5	62.9	57.8	53.1	50.2	51.4	52.6
67.5°	68.1	65.8	60.0	53.1	48.5	45.0	43.3	45.7	46.2
70°	57.2	54.8	49.6	43.8	39.9	37.5	37.5	39.3	39.9
72.5°	46.8	45.0	40.4	35.8	32.9	31.2	32.3	33.5	34.1
75°	37.5	35.8	32.3	28.3	25.4	25.4	26.5	27.8	28.3
77.5°	28.9	27.8	24.2	21.4	20.2	20.2	21.4	22.0	22.5
80°	20.2	19.0	17.3	15.6	14.4	15.6	16.8	16.8	17.3
82.5°	13.3	12.7	11.6	10.4	10.4	11.0	11.6	12.1	12.1
85°	6.9	6.9	6.3	5.8	6.3	6.9	6.9	7.5	7.5
87.5°	2.3	2.3	2.3	2.3	2.8	2.8	2.8	2.8	2.8
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)