

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: P593032

Luminaire Tested: **HCC6W07D010BZ-HM60525850-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593032  
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-HM60525850-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

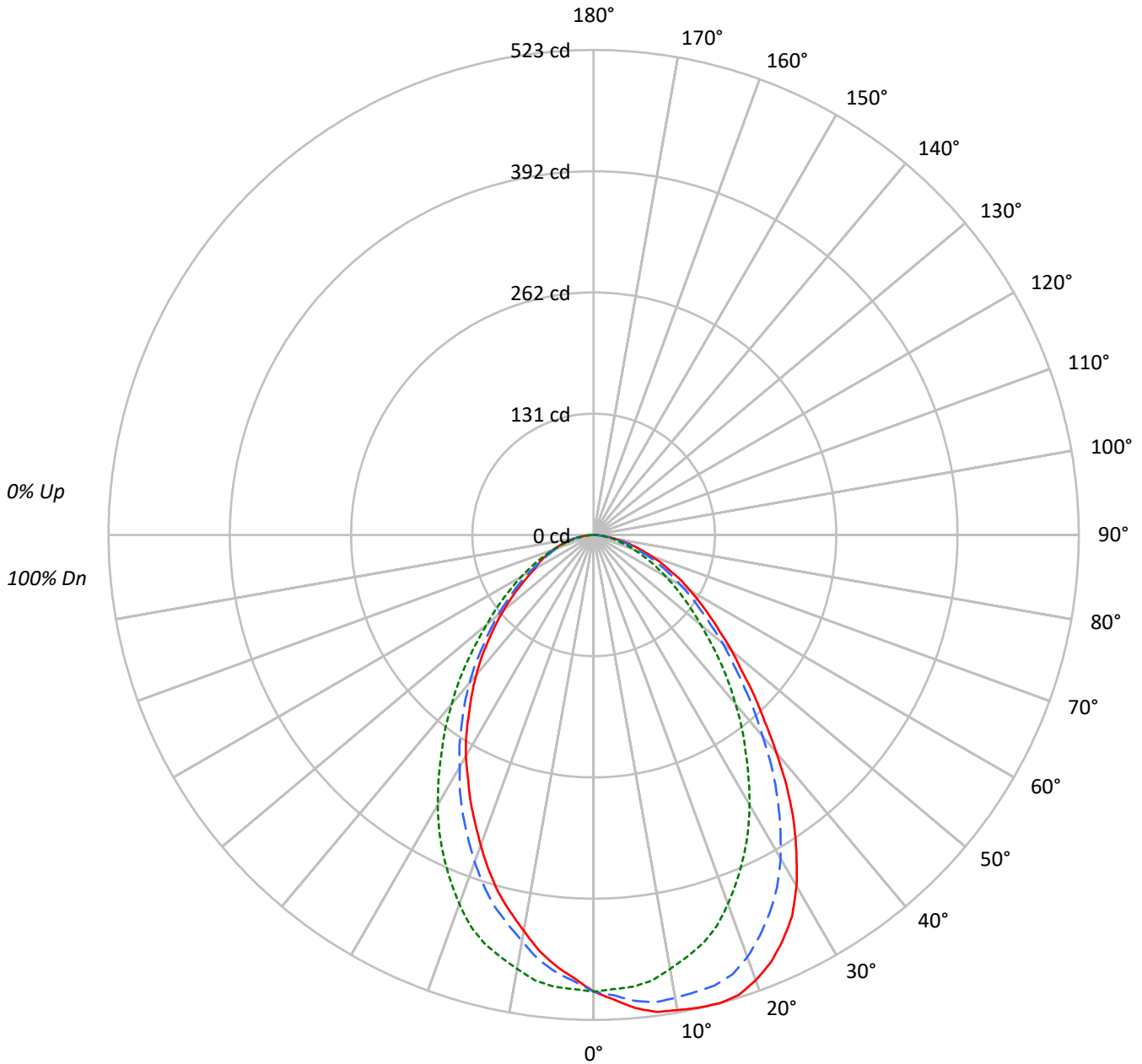
Lumens per Lamp: N/A  
Luminaire Lumens: 917.2 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593032  
CATALOG NUMBER: HCC6W07D010BZ-HM60525850-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P593032

CATALOG NUMBER: HCC6W07D010BZ-HM60525850-61WWW

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

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

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

	0°	90°	180°
0°	26993	26993	26993
5°	28186	26915	25677
10°	28963	26452	24126
15°	29677	25874	22599
20°	29811	24706	20763
25°	29179	23130	19035
30°	27681	21269	17452
35°	25143	19113	15660
40°	21905	17025	14084
45°	18955	14901	12389
50°	16562	12835	10848
55°	14633	11268	9309
60°	13157	9879	8059
65°	11778	8600	7822
70°	10515	7341	7341
75°	9129	6164	6884
80°	7324	5209	6251
85°	4969	4592	5409



TEST NUMBER: P593032  
 CATALOG NUMBER: HCC6W07D010BZ-HM60525850-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	5.0
10°-20°	128.6	14.0
20°-30°	179.3	19.5
30°-40°	184.7	20.1
40°-50°	153.1	16.7
50°-60°	110.0	12.0
60°-70°	70.1	7.6
70°-80°	36.0	3.9
80°-90°	9.1	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°	354.2	38.6
0°-40°	538.9	58.8
0°-60°	802.0	87.4
0°-90°	917.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	492	492	492	492	492	
5°	512	504	489	473	467	49
15°	523	503	456	414	398	147
25°	482	449	382	333	315	221
35°	376	345	286	248	234	233
45°	244	227	192	168	160	189
55°	153	140	118	105	97	138
65°	91	81	66	58	60	91
75°	43	37	29	30	32	46
85°	8	7	7	8	9	10
90°	0	0	0	0	0	

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



TEST NUMBER: P593032

CATALOG NUMBER: HCC6W07D010BZ-HM60525850-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4	492.4
2.5°	501.7	499.7	497.0	494.3	490.4	485.7	481.8	480.5	478.5
5°	512.2	509.6	504.3	497.7	489.1	480.5	473.1	468.5	466.6
7.5°	518.9	515.6	508.3	497.0	484.5	471.9	461.2	454.7	452.0
10°	520.3	516.9	507.0	491.7	475.2	458.0	444.7	436.8	433.4
12.5°	522.2	517.6	505.0	487.1	465.9	445.9	429.4	419.5	416.2
15°	522.9	517.6	503.1	481.2	455.9	432.1	414.2	402.2	398.2
17.5°	520.3	514.3	497.0	470.5	442.0	416.8	395.6	383.1	377.7
20°	511.0	504.3	484.5	454.7	423.5	397.0	375.1	361.9	355.9
22.5°	499.0	490.4	467.9	436.1	403.6	375.7	353.8	340.6	334.7
25°	482.4	474.5	449.3	415.5	382.4	353.3	333.3	319.4	314.7
27.5°	463.3	454.0	428.2	394.3	360.5	331.4	312.1	299.6	293.6
30°	437.3	428.7	402.9	369.1	336.0	308.9	288.9	278.4	275.7
32.5°	406.9	399.6	374.5	342.6	310.8	285.6	269.1	257.8	255.2
35°	375.7	367.1	345.2	315.4	285.6	263.1	247.9	237.9	234.0
37.5°	341.9	334.0	315.4	288.9	262.4	241.2	228.0	219.3	215.4
40°	306.1	300.2	283.0	261.7	237.9	219.3	208.1	200.8	196.8
42.5°	273.1	267.0	255.2	235.2	215.4	198.8	188.9	182.3	178.9
45°	244.5	239.3	227.3	210.1	192.2	178.2	167.7	163.0	159.8
47.5°	216.1	213.3	202.8	186.8	170.3	158.4	151.1	145.8	143.1
50°	194.2	190.9	180.9	164.4	150.5	141.2	134.5	129.8	127.2
52.5°	171.6	168.4	159.1	145.1	133.9	125.2	118.6	114.7	112.1
55°	153.1	150.5	140.5	127.9	117.9	110.7	104.7	100.0	97.4
57.5°	135.8	133.2	124.0	112.1	103.3	96.8	91.4	87.5	84.2
60°	120.0	117.9	108.7	97.4	90.1	83.5	78.9	75.6	73.5
62.5°	106.0	102.1	94.2	84.2	77.5	72.3	67.6	65.6	67.0
65°	90.8	88.8	80.9	72.3	66.3	61.0	57.7	59.0	60.3
67.5°	78.2	75.6	68.9	61.0	55.6	51.7	49.7	52.3	53.0
70°	65.6	63.0	57.0	50.4	45.8	43.1	43.1	45.1	45.8
72.5°	53.7	51.7	46.3	41.1	37.7	35.8	37.2	38.4	39.1
75°	43.1	41.1	37.2	32.5	29.1	29.1	30.5	31.8	32.5
77.5°	33.1	31.8	27.9	24.5	23.2	23.2	24.5	25.2	25.8
80°	23.2	21.9	19.8	17.9	16.5	17.9	19.3	19.3	19.8
82.5°	15.3	14.6	13.3	11.9	11.9	12.6	13.3	13.9	13.9
85°	7.9	7.9	7.3	6.6	7.3	7.9	7.9	8.6	8.6
87.5°	2.6	2.6	2.6	2.6	3.3	3.3	3.3	3.3	3.3
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)