

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: P583293

Luminaire Tested: **HCC6W07D010MB-HM60525827-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583293  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W07D010MB-HM60525827-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

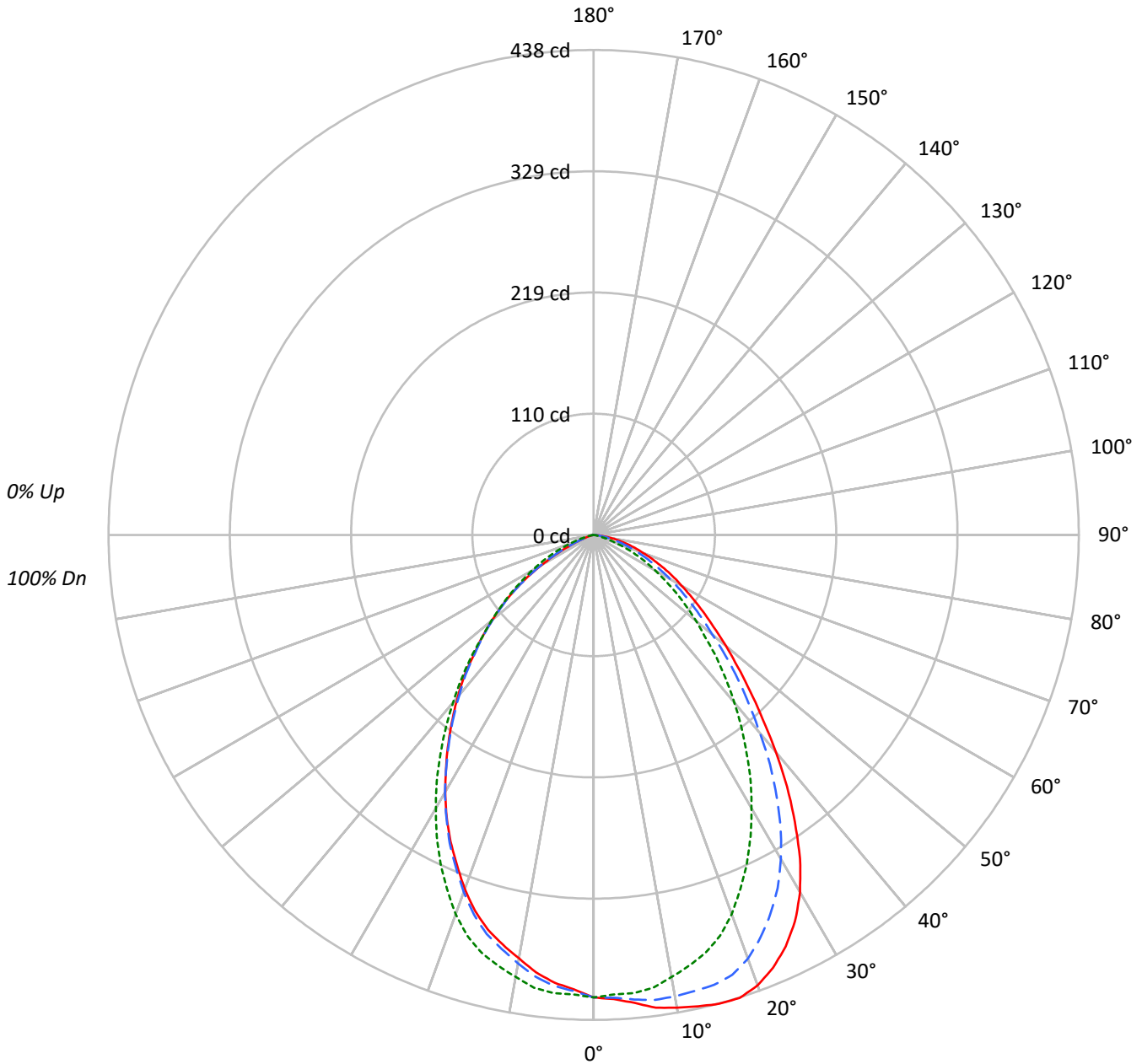
Lumens per Lamp: N/A  
Luminaire Lumens: 744.4 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (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: P583293  
CATALOG NUMBER: HCC6W07D010MB-HM60525827-61WWBB

### Luminous Intensity Polar Plot





TEST NUMBER: P583293

CATALOG NUMBER: HCC6W07D010MB-HM60525827-61WWBB

**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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

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

	0°	90°	180°
0°	22898	22898	22898
5°	23344	22859	22342
10°	24137	22567	21621
15°	24881	22174	20942
20°	25261	21253	19847
25°	24806	19791	18485
30°	23580	18034	16965
35°	21195	16122	15292
40°	18291	14126	13661
45°	15482	12164	11838
50°	13279	10268	10175
55°	11507	8650	8306
60°	10054	7017	5921
65°	8847	5409	3282
70°	7629	3574	1603
75°	6481	1758	614
80°	5020	758	347
85°	2893	377	377



TEST NUMBER: P583293  
 CATALOG NUMBER: HCC6W07D010MB-HM60525827-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.4	5.3
10°-20°	111.5	15.0
20°-30°	157.0	21.1
30°-40°	160.4	21.5
40°-50°	129.3	17.4
50°-60°	86.7	11.7
60°-70°	43.9	5.9
70°-80°	14.0	1.9
80°-90°	2.2	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°	307.9	41.4
0°-40°	468.3	62.9
0°-60°	684.3	91.9
0°-90°	744.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	744.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	418	418	418	418	418	
5°	424	421	415	409	406	41
15°	438	421	391	373	369	124
25°	410	378	327	307	306	188
35°	317	288	241	227	228	197
45°	200	184	157	152	153	155
55°	120	107	90	86	87	108
65°	68	56	42	28	25	68
75°	31	22	8	3	3	33
85°	5	2	1	1	1	6
90°	0	0	0	0	0	

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



TEST NUMBER: P583293

CATALOG NUMBER: HCC6W07D010MB-HM60525827-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7	417.7
2.5°	419.5	418.9	418.3	417.2	415.4	413.7	412.4	411.3	410.7
5°	424.2	423.1	421.2	418.9	415.4	411.3	408.9	406.5	406.0
7.5°	430.7	428.3	423.6	418.3	412.4	406.5	402.4	400.1	398.4
10°	433.6	429.5	423.1	414.2	405.4	398.4	393.0	389.5	388.4
12.5°	436.0	431.2	421.8	410.1	398.4	389.0	383.1	380.1	379.0
15°	438.4	433.6	420.7	405.4	390.7	379.6	373.1	370.2	369.0
17.5°	438.4	431.8	416.6	397.2	379.6	366.1	359.6	356.7	356.1
20°	433.0	426.0	407.2	384.2	364.3	349.0	343.1	341.4	340.2
22.5°	423.1	414.8	393.6	367.8	346.0	331.4	324.9	323.7	322.6
25°	410.1	401.9	377.7	350.2	327.2	312.6	307.3	306.1	305.6
27.5°	393.6	384.9	359.6	331.4	306.7	292.5	287.9	287.9	287.3
30°	372.5	362.6	337.9	309.6	284.9	272.0	268.5	268.5	268.0
32.5°	346.7	336.6	314.3	287.3	263.8	250.3	247.3	248.6	247.9
35°	316.7	308.4	287.9	261.5	240.9	228.5	227.4	228.5	228.5
37.5°	286.8	279.1	261.5	238.5	219.1	208.0	208.0	209.7	209.2
40°	255.6	249.7	233.3	213.2	197.4	189.8	188.6	190.3	190.9
42.5°	226.1	221.5	207.5	190.9	176.9	169.2	171.0	172.1	172.8
45°	199.7	195.1	183.9	166.9	156.9	151.6	151.6	153.3	152.7
47.5°	176.3	172.8	161.6	145.1	136.3	133.9	135.2	136.3	136.3
50°	155.7	150.5	139.8	126.9	120.4	117.5	118.7	119.3	119.3
52.5°	136.3	132.8	122.3	110.5	104.6	102.8	102.8	103.4	103.4
55°	120.4	116.4	107.0	95.2	90.5	88.1	86.3	85.8	86.9
57.5°	105.1	101.6	92.8	81.7	76.4	74.0	70.5	69.3	70.5
60°	91.7	88.7	79.9	69.3	64.0	59.4	55.2	52.9	54.0
62.5°	79.9	76.4	67.5	58.8	52.9	47.6	41.1	37.6	39.3
65°	68.2	65.3	56.4	47.6	41.7	35.2	27.6	25.3	25.3
67.5°	57.6	54.6	46.5	38.7	31.7	24.1	17.0	16.4	17.0
70°	47.6	44.6	37.6	29.9	22.3	14.7	10.0	10.0	10.0
72.5°	39.3	35.8	29.3	21.8	14.0	7.6	5.3	5.9	5.9
75°	30.6	27.6	21.8	14.7	8.3	3.5	2.9	2.9	2.9
77.5°	22.9	20.5	15.3	9.4	4.1	1.1	1.1	1.1	1.1
80°	15.9	13.5	10.0	5.9	2.4	1.1	1.1	1.1	1.1
82.5°	9.4	8.3	5.9	2.9	1.1	0.6	0.6	0.6	0.6
85°	4.6	4.1	2.4	1.1	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	0.6	0.6	0.0	0.6	0.6	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)