

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: P593048

Luminaire Tested: **HCC6W07D010MB-HM60525950-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593048  
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: HCC6W07D010MB-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**

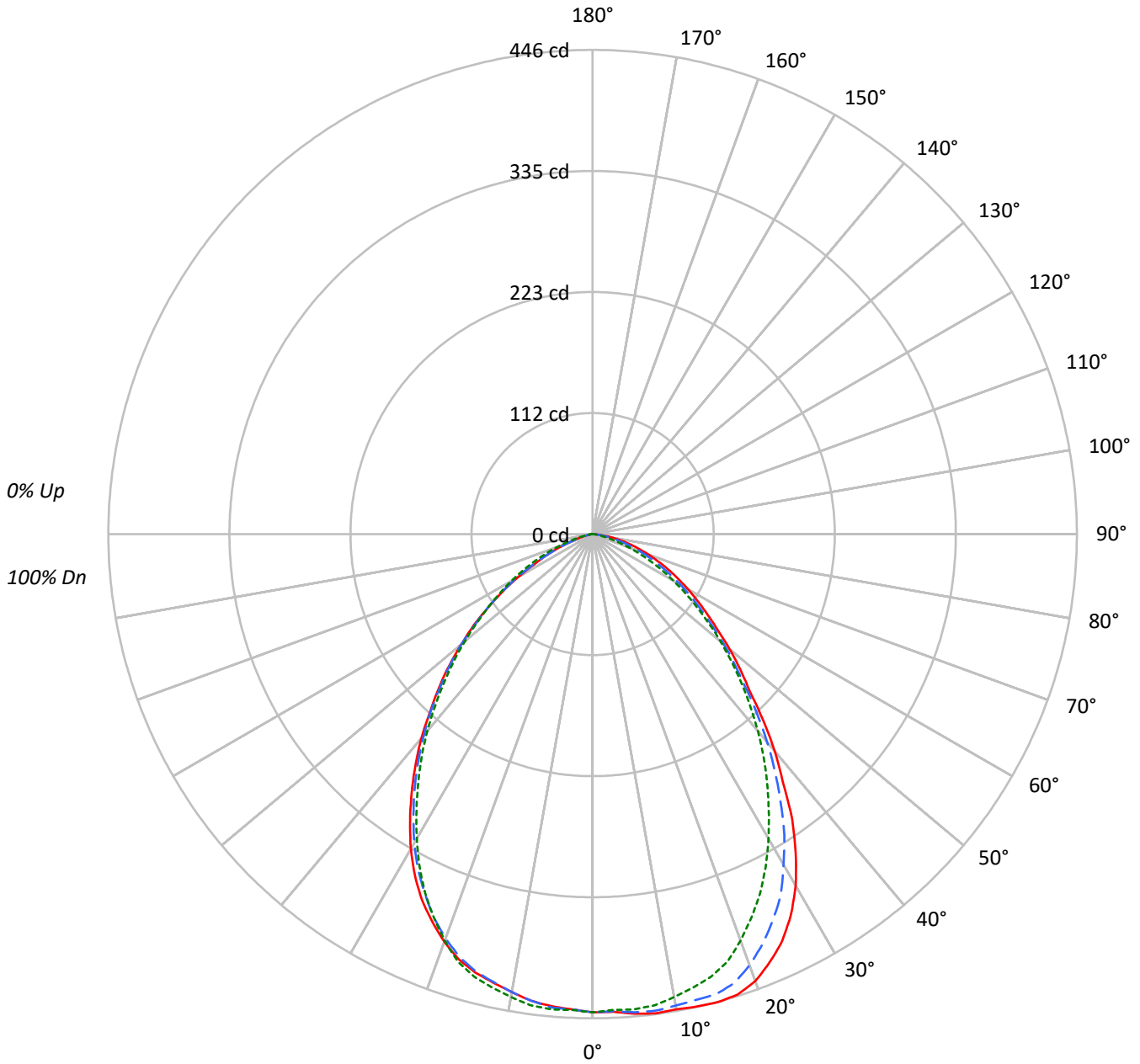
Lumens per Lamp: N/A  
Luminaire Lumens: 863.2 lumens  
Efficiency: N/A  
Efficacy: 107.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593048  
CATALOG NUMBER: HCC6W07D010MB-HM60525950-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P593048

CATALOG NUMBER: HCC6W07D010MB-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°	24148	24148	24148
5°	24406	24180	24020
10°	24749	24103	23847
15°	25329	23950	23723
20°	25564	23242	23306
25°	25005	22072	22495
30°	23681	20503	21199
35°	21442	18745	19434
40°	18671	16939	17561
45°	15847	14994	15529
50°	14029	13100	13441
55°	12358	11202	11144
60°	11085	9429	8673
65°	9897	7562	6213
70°	8703	5466	3879
75°	7350	3304	2203
80°	5651	1452	884
85°	3271	377	377



TEST NUMBER: P593048  
 CATALOG NUMBER: HCC6W07D010MB-HM60525950-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.8	4.8
10°-20°	120.2	13.9
20°-30°	173.7	20.1
30°-40°	182.8	21.2
40°-50°	153.7	17.8
50°-60°	107.9	12.5
60°-70°	59.3	6.9
70°-80°	21.1	2.4
80°-90°	2.7	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°	335.7	38.9
0°-40°	518.5	60.1
0°-60°	780.1	90.4
0°-90°	863.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	863.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	440	440	440	440	440	
5°	444	442	439	438	436	42
15°	446	439	422	417	418	126
25°	413	393	365	366	372	189
35°	320	302	280	286	290	199
45°	204	199	193	198	200	160
55°	129	122	117	117	117	116
65°	76	68	58	48	48	76
75°	35	28	16	10	10	37
85°	5	3	1	1	1	7
90°	0	0	0	0	0	

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



TEST NUMBER: P593048

CATALOG NUMBER: HCC6W07D010MB-HM60525950-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5
2.5°	440.5	440.5	439.9	439.9	438.8	438.8	438.2	438.2	438.2
5°	443.5	443.5	442.2	440.5	439.4	437.7	437.1	437.1	436.5
7.5°	445.2	444.6	442.9	440.5	437.7	434.7	433.6	434.2	433.6
10°	444.6	443.5	441.1	436.5	433.0	429.0	428.4	427.8	428.4
12.5°	445.7	444.0	439.4	433.6	427.8	423.2	422.6	422.6	423.2
15°	446.3	444.6	438.8	430.1	422.0	417.4	416.8	417.4	418.0
17.5°	444.6	442.2	433.6	422.0	412.9	408.2	408.2	409.4	410.5
20°	438.2	434.7	422.6	408.8	398.4	395.0	396.1	398.4	399.5
22.5°	426.7	422.6	408.8	393.2	382.2	379.3	382.2	385.1	386.2
25°	413.4	408.8	392.6	376.5	364.9	361.4	365.5	370.0	371.9
27.5°	395.5	390.3	375.2	356.8	345.2	343.5	348.2	353.4	354.5
30°	374.1	368.3	351.6	334.3	323.9	323.4	328.6	333.1	334.9
32.5°	348.2	343.0	328.6	311.2	301.9	301.9	307.2	311.2	312.9
35°	320.4	314.6	301.9	287.6	280.1	280.6	285.7	288.7	290.4
37.5°	287.6	285.7	276.0	263.9	258.7	259.8	263.9	266.1	268.0
40°	260.9	256.4	250.1	240.2	236.7	237.9	241.9	244.3	245.4
42.5°	232.2	229.2	224.0	217.1	214.8	216.5	220.0	221.7	221.2
45°	204.4	203.8	198.6	194.5	193.4	195.8	198.0	199.7	200.3
47.5°	184.2	181.8	177.2	174.4	173.2	175.5	177.9	179.0	179.0
50°	164.5	162.2	157.6	154.8	153.6	155.9	157.6	158.7	157.6
52.5°	144.9	142.6	138.6	135.1	134.5	135.7	136.3	136.9	138.0
55°	129.3	127.0	122.4	118.4	117.2	117.8	117.2	117.2	116.6
57.5°	114.3	112.1	107.4	102.8	101.1	100.5	98.7	98.1	97.6
60°	101.1	98.1	93.6	88.4	86.0	83.7	80.8	79.1	79.1
62.5°	88.4	85.4	80.2	75.7	72.2	68.1	63.6	61.2	61.2
65°	76.3	73.9	68.1	62.9	58.3	53.1	47.9	46.8	47.9
67.5°	64.7	62.3	56.5	51.4	45.7	39.3	34.7	34.7	35.8
70°	54.3	52.0	46.8	40.4	34.1	27.8	24.2	24.2	24.2
72.5°	44.4	42.1	36.4	30.6	24.2	17.9	16.2	16.8	16.2
75°	34.7	32.9	27.8	21.4	15.6	11.0	10.4	9.9	10.4
77.5°	25.9	24.2	19.6	13.8	8.6	6.3	5.8	5.8	5.8
80°	17.9	16.2	12.7	8.0	4.6	2.8	2.8	2.8	2.8
82.5°	11.0	9.3	6.9	4.1	1.7	1.7	1.7	1.7	1.7
85°	5.2	4.1	2.8	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)