

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: P581793

Luminaire Tested: **HCC6W15D010MB-HM60525930-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581793  
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: HCC6W15D010MB-HM60525930-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

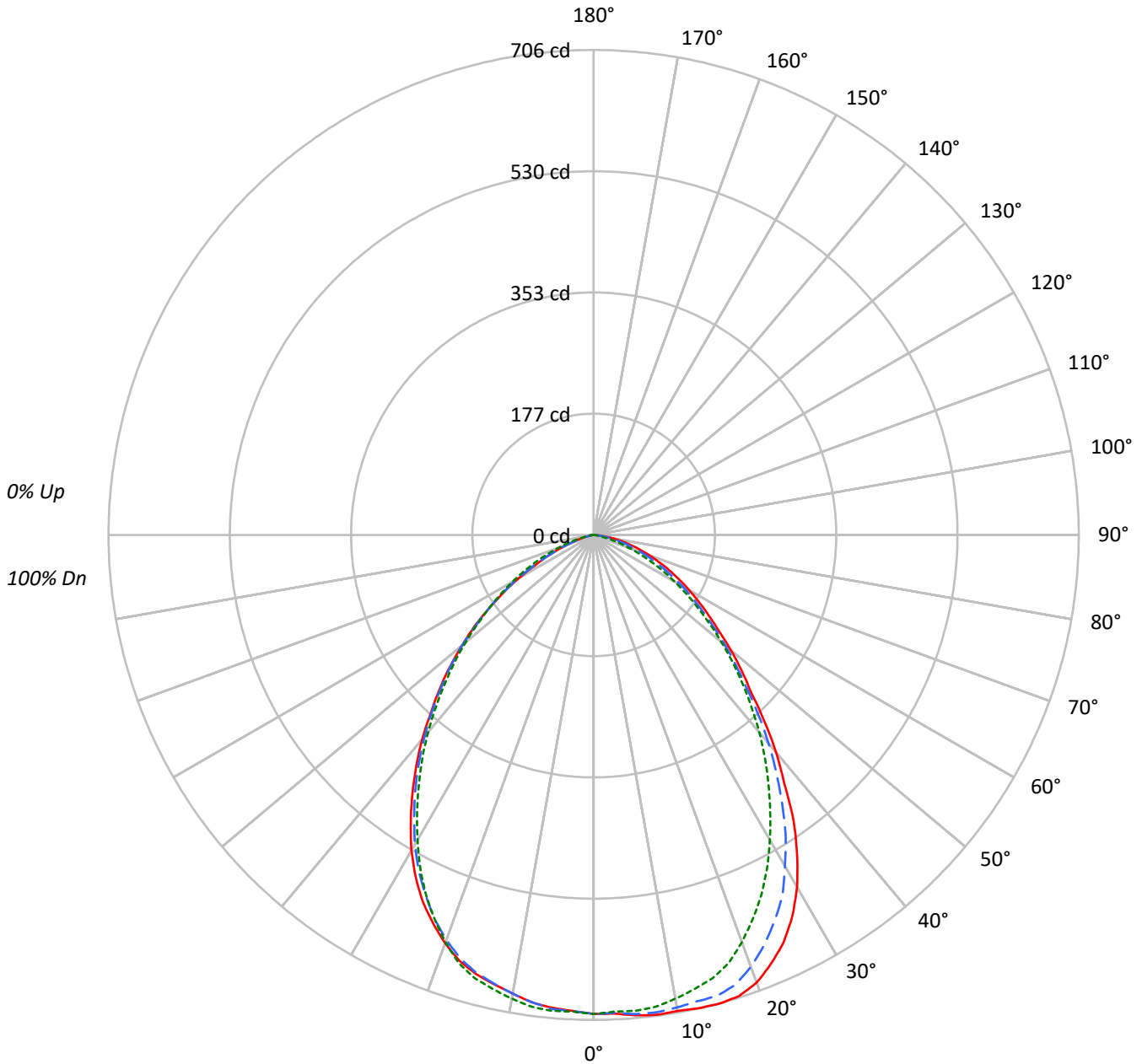
Lumens per Lamp: N/A  
Luminaire Lumens: 1366.5 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: P581793  
CATALOG NUMBER: HCC6W15D010MB-HM60525930-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P581793

CATALOG NUMBER: HCC6W15D010MB-HM60525930-61RWWH

**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	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°	38237	38237	38237
5°	38631	38273	38025
10°	39178	38159	37753
15°	40097	37923	37554
20°	40469	36794	36899
25°	39583	34944	35603
30°	37487	32461	33562
35°	33943	29667	30771
40°	29563	26822	27802
45°	25088	23739	24584
50°	22217	20733	21279
55°	19574	17739	17653
60°	17531	14933	13727
65°	15657	11973	9832
70°	13768	8639	6155
75°	11607	5210	3495
80°	8966	2305	1421
85°	5158	566	566



TEST NUMBER: P581793  
 CATALOG NUMBER: HCC6W15D010MB-HM60525930-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.2	4.8
10°-20°	190.3	13.9
20°-30°	275.0	20.1
30°-40°	289.4	21.2
40°-50°	243.3	17.8
50°-60°	170.7	12.5
60°-70°	93.9	6.9
70°-80°	33.3	2.4
80°-90°	4.3	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°	531.5	38.9
0°-40°	820.9	60.1
0°-60°	1234.9	90.4
0°-90°	1366.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	698	698	698	698	698	
5°	702	700	696	693	691	67
15°	706	695	668	660	662	199
25°	654	622	578	579	589	299
35°	507	478	443	452	460	314
45°	324	314	306	314	317	254
55°	205	194	186	186	185	184
65°	121	108	92	76	76	120
75°	55	44	25	16	16	59
85°	8	4	1	1	1	11
90°	0	0	0	0	0	



TEST NUMBER: P581793

CATALOG NUMBER: HCC6W15D010MB-HM60525930-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5	697.5
2.5°	697.5	697.5	696.4	696.4	694.6	694.6	693.7	693.7	693.7
5°	702.0	702.0	700.2	697.5	695.5	692.8	692.8	691.9	691.0
7.5°	704.7	703.8	701.1	697.5	692.8	688.3	686.4	687.4	686.4
10°	703.8	702.0	698.4	691.0	685.5	679.1	678.2	677.3	678.2
12.5°	705.6	702.9	695.5	686.4	677.3	670.0	669.1	669.1	670.0
15°	706.5	703.8	694.6	681.0	668.2	660.8	659.9	660.8	661.7
17.5°	703.8	700.2	686.4	668.2	653.5	646.3	646.3	648.1	649.9
20°	693.7	688.3	669.1	647.2	630.7	625.2	627.0	630.7	632.5
22.5°	675.4	669.1	647.2	622.4	605.1	600.5	605.1	609.6	611.5
25°	654.4	647.2	621.5	596.0	577.7	572.2	578.6	585.9	588.6
27.5°	626.1	617.9	594.2	564.9	546.6	543.9	551.2	559.3	561.3
30°	592.2	583.2	556.6	529.3	512.8	511.9	520.1	527.4	530.2
32.5°	551.2	543.0	520.1	492.7	478.1	478.1	486.2	492.7	495.4
35°	507.2	498.2	478.1	455.1	443.3	444.2	452.4	457.1	459.8
37.5°	455.1	452.4	436.9	417.7	409.5	411.3	417.7	421.3	424.1
40°	413.1	405.9	395.8	380.2	374.8	376.6	382.9	386.6	388.5
42.5°	367.4	362.9	354.7	343.7	340.0	342.8	348.2	350.9	350.0
45°	323.6	322.7	314.4	308.0	306.2	309.9	313.5	316.2	317.1
47.5°	291.6	287.9	280.6	276.0	274.2	277.8	281.5	283.3	283.3
50°	260.5	256.9	249.5	244.9	243.1	246.7	249.5	251.4	249.5
52.5°	229.4	225.8	219.4	213.8	212.9	214.7	215.8	216.7	218.5
55°	204.8	201.1	193.7	187.4	185.6	186.5	185.6	185.6	184.7
57.5°	181.0	177.3	170.0	162.6	159.9	159.0	156.3	155.4	154.5
60°	159.9	155.4	148.1	139.8	136.2	132.6	127.9	125.2	125.2
62.5°	139.8	135.3	127.0	119.7	114.3	107.8	100.6	96.9	96.9
65°	120.7	117.0	107.8	99.7	92.3	84.1	75.8	74.0	75.8
67.5°	102.4	98.7	89.6	81.4	72.2	62.2	54.8	54.8	56.6
70°	85.9	82.3	74.0	64.0	53.9	43.9	38.4	38.4	38.4
72.5°	70.4	66.7	57.5	48.5	38.4	28.4	25.5	26.6	25.5
75°	54.8	52.1	43.9	33.8	24.6	17.4	16.5	15.5	16.5
77.5°	41.1	38.4	31.1	21.9	13.7	10.1	9.2	9.2	9.2
80°	28.4	25.5	20.1	12.8	7.3	4.5	4.5	4.5	4.5
82.5°	17.4	14.6	11.0	6.4	2.7	2.7	2.7	2.7	2.7
85°	8.2	6.4	4.5	1.8	0.9	0.9	0.9	0.9	0.9
87.5°	1.8	1.8	0.9	0.9	0.0	0.9	0.9	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)