

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: P581775

Luminaire Tested: **HCC6W15D010MB-HM60525927-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581775  
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-HM60525927-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

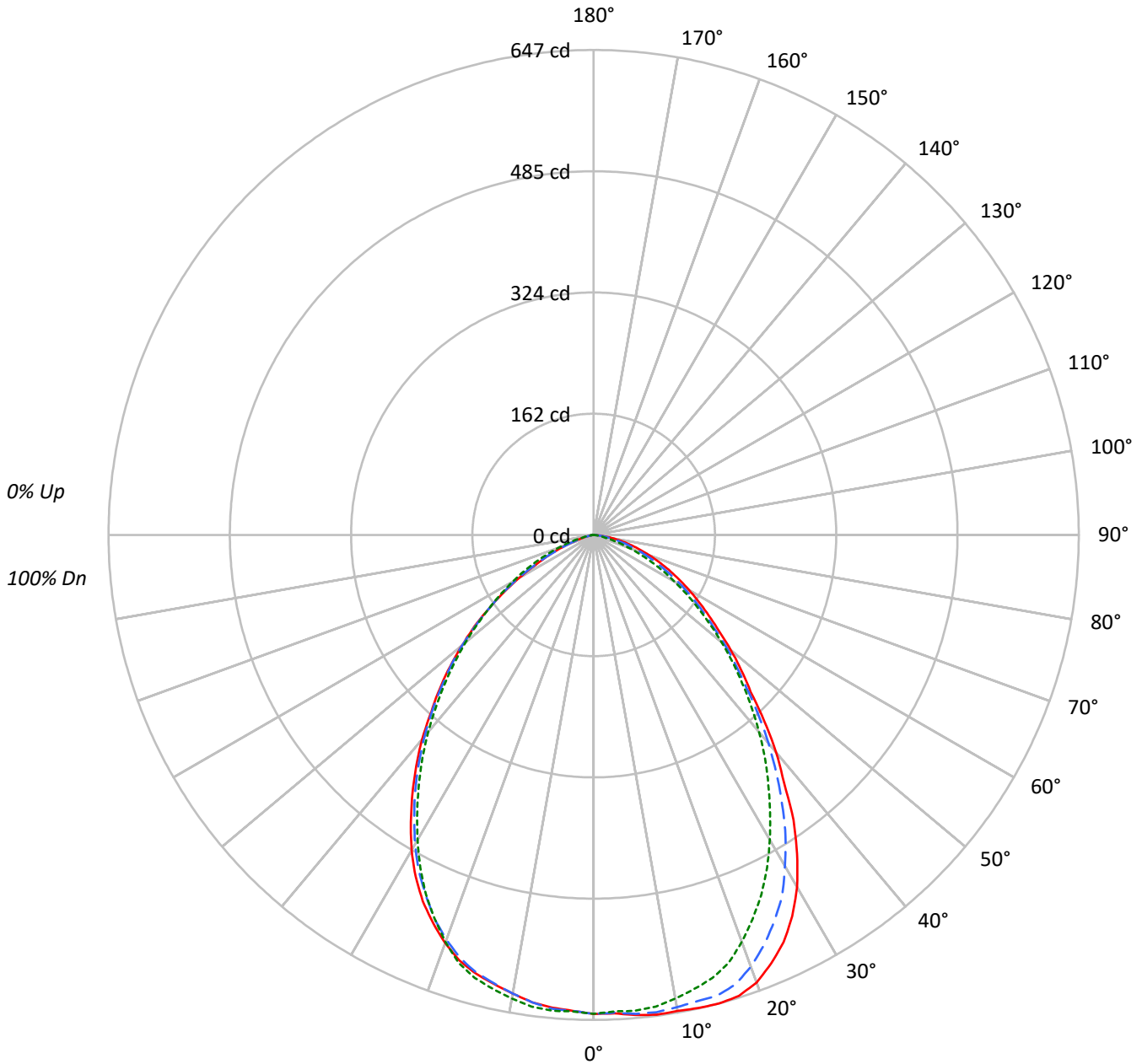
Lumens per Lamp: N/A  
Luminaire Lumens: 1251.8 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581775  
CATALOG NUMBER: HCC6W15D010MB-HM60525927-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P581775

CATALOG NUMBER: HCC6W15D010MB-HM60525927-61RWWH

**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°	35025	35025	35025
5°	35384	35065	34834
10°	35888	34958	34585
15°	36731	34733	34404
20°	37074	33702	33801
25°	36262	32004	32615
30°	34341	29732	30745
35°	31099	27177	28188
40°	27079	24567	25462
45°	22971	21746	22529
50°	20349	18993	19496
55°	17921	16248	16162
60°	16062	13672	12576
65°	14334	10974	9015
70°	12614	7918	5642
75°	10654	4787	3198
80°	8208	2115	1326
85°	4717	503	503



TEST NUMBER: P581775  
 CATALOG NUMBER: HCC6W15D010MB-HM60525927-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.6	4.8
10°-20°	174.3	13.9
20°-30°	251.9	20.1
30°-40°	265.1	21.2
40°-50°	222.9	17.8
50°-60°	156.4	12.5
60°-70°	86.0	6.9
70°-80°	30.6	2.4
80°-90°	4.0	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°	486.9	38.9
0°-40°	751.9	60.1
0°-60°	1131.2	90.4
0°-90°	1251.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	639	639	639	639	639	
5°	643	641	637	635	633	61
15°	647	636	612	604	606	183
25°	600	569	529	530	539	274
35°	465	438	406	414	421	288
45°	296	288	280	287	291	233
55°	188	178	170	170	169	169
65°	110	99	85	70	70	110
75°	50	40	23	15	15	54
85°	8	4	1	1	1	10
90°	0	0	0	0	0	



TEST NUMBER: P581775

CATALOG NUMBER: HCC6W15D010MB-HM60525927-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9
2.5°	638.9	638.9	638.0	638.0	636.3	636.3	635.5	635.5	635.5
5°	643.0	643.0	641.4	638.9	637.2	634.7	634.7	633.8	633.0
7.5°	645.6	644.7	642.2	638.9	634.7	630.5	628.8	629.6	628.8
10°	644.7	643.0	639.7	633.0	628.0	622.1	621.3	620.4	621.3
12.5°	646.4	643.9	637.2	628.8	620.4	613.7	612.9	612.9	613.7
15°	647.2	644.7	636.3	623.8	612.0	605.3	604.5	605.3	606.2
17.5°	644.7	641.4	628.8	612.0	598.6	591.9	591.9	593.6	595.3
20°	635.5	630.5	612.9	592.8	577.7	572.7	574.4	577.7	579.4
22.5°	618.8	612.9	592.8	570.2	554.2	550.1	554.2	558.4	560.1
25°	599.5	592.8	569.3	545.9	529.1	524.1	530.0	536.7	539.2
27.5°	573.5	566.0	544.2	517.4	500.6	498.2	504.8	512.5	514.0
30°	542.5	534.1	510.0	484.8	469.7	468.9	476.4	483.1	485.7
32.5°	504.8	497.4	476.4	451.3	437.9	437.9	445.4	451.3	453.8
35°	464.7	456.3	437.9	417.0	406.1	406.9	414.5	418.6	421.2
37.5°	417.0	414.5	400.2	382.6	375.1	376.8	382.6	386.0	388.5
40°	378.4	371.7	362.5	348.3	343.3	344.9	350.8	354.1	355.8
42.5°	336.6	332.4	324.8	314.8	311.4	313.9	319.0	321.5	320.6
45°	296.3	295.6	288.1	282.2	280.5	283.9	287.2	289.7	290.6
47.5°	267.1	263.8	257.1	252.9	251.2	254.6	257.9	259.6	259.6
50°	238.6	235.3	228.6	224.4	222.7	226.1	228.6	230.3	228.6
52.5°	210.2	206.8	200.9	195.9	195.1	196.8	197.6	198.4	200.1
55°	187.5	184.2	177.5	171.6	170.0	170.8	170.0	170.0	169.1
57.5°	165.8	162.4	155.7	149.0	146.5	145.7	143.1	142.3	141.5
60°	146.5	142.3	135.6	128.1	124.7	121.4	117.2	114.7	114.7
62.5°	128.1	123.9	116.3	109.6	104.6	98.7	92.0	88.8	88.8
65°	110.5	107.1	98.7	91.3	84.6	77.1	69.5	67.9	69.5
67.5°	93.8	90.5	82.1	74.6	66.2	57.0	50.3	50.3	51.9
70°	78.7	75.4	67.9	58.6	49.4	40.2	35.2	35.2	35.2
72.5°	64.5	61.2	52.8	44.4	35.2	26.0	23.5	24.3	23.5
75°	50.3	47.7	40.2	31.0	22.6	15.9	15.1	14.2	15.1
77.5°	37.7	35.2	28.5	20.1	12.6	9.2	8.4	8.4	8.4
80°	26.0	23.5	18.4	11.7	6.7	4.2	4.2	4.2	4.2
82.5°	15.9	13.4	10.1	5.9	2.5	2.5	2.5	2.5	2.5
85°	7.5	5.9	4.2	1.7	0.8	0.8	0.8	0.8	0.8
87.5°	1.7	1.7	0.8	0.8	0.0	0.8	0.8	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)