

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: P581596

Luminaire Tested: **HCC6W10D010MB-HM60525835-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581596  
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: HCC6W10D010MB-HM60525835-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

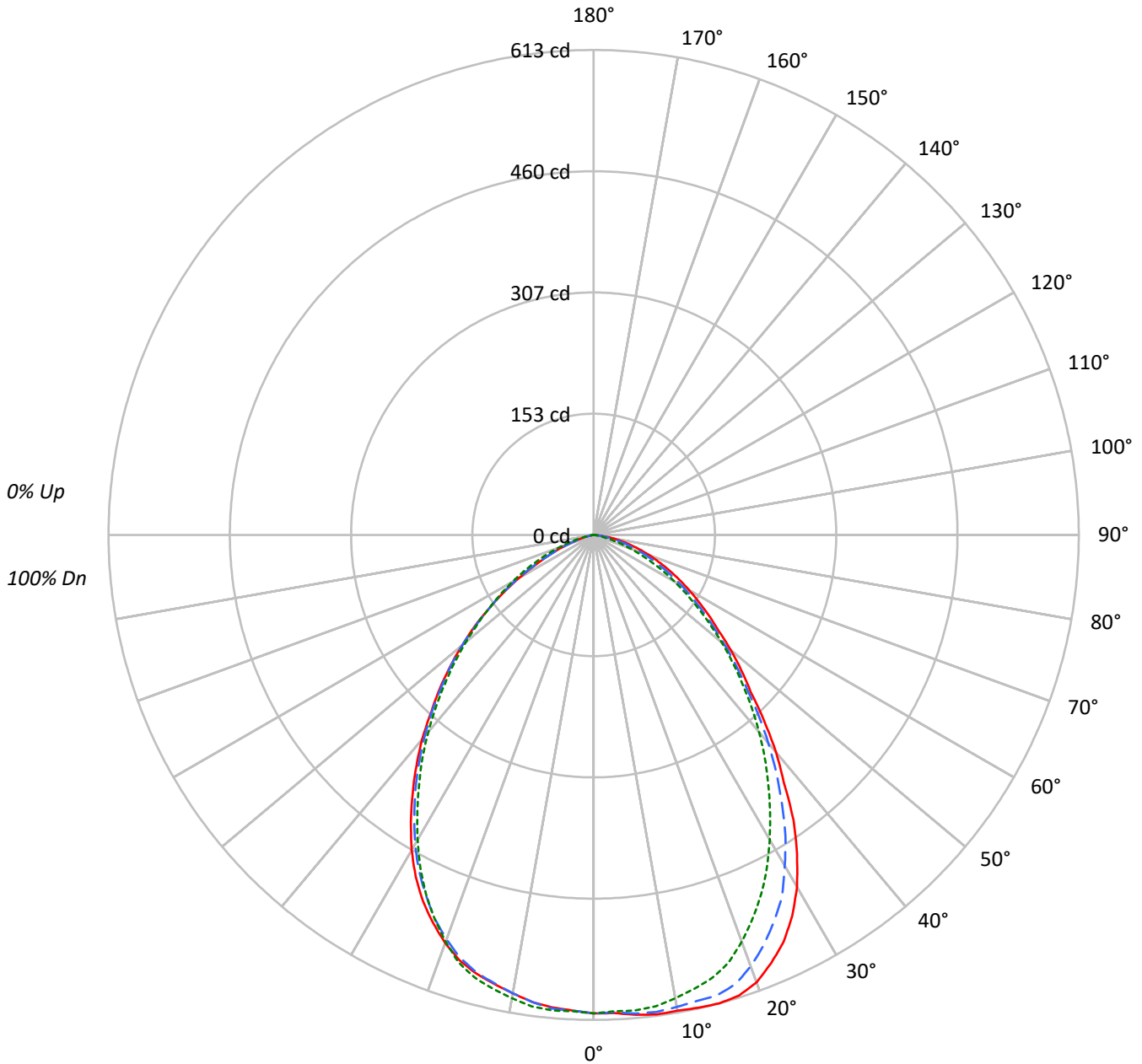
Lumens per Lamp: N/A  
Luminaire Lumens: 1185.5 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581596  
CATALOG NUMBER: HCC6W10D010MB-HM60525835-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P581596

CATALOG NUMBER: HCC6W10D010MB-HM60525835-61RWWH

**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°	33161	33161	33161
5°	33508	33205	32985
10°	33984	33099	32748
15°	34790	32895	32577
20°	35108	31917	32010
25°	34339	30310	30885
30°	32524	28163	29112
35°	29453	25732	26689
40°	25648	23265	24117
45°	21762	20599	21336
50°	19266	17987	18456
55°	16974	15388	15311
60°	15218	12959	11918
65°	13581	10377	8535
70°	11941	7501	5337
75°	10061	4533	3029
80°	7766	1989	1263
85°	4466	503	503



TEST NUMBER: P581596  
 CATALOG NUMBER: HCC6W10D010MB-HM60525835-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	4.8
10°-20°	165.0	13.9
20°-30°	238.6	20.1
30°-40°	251.0	21.2
40°-50°	211.0	17.8
50°-60°	148.1	12.5
60°-70°	81.5	6.9
70°-80°	28.9	2.4
80°-90°	3.8	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°	461.1	38.9
0°-40°	712.1	60.1
0°-60°	1071.3	90.4
0°-90°	1185.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1185.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	605	605	605	605	605	
5°	609	607	603	601	599	58
15°	613	603	580	572	574	173
25°	568	539	501	502	511	260
35°	440	415	384	392	399	273
45°	281	273	266	272	275	220
55°	178	168	161	161	160	160
65°	105	94	80	66	66	104
75°	48	38	21	14	14	51
85°	7	4	1	1	1	10
90°	0	0	0	0	0	



TEST NUMBER: P581596

CATALOG NUMBER: HCC6W10D010MB-HM60525835-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9	604.9
2.5°	604.9	604.9	604.1	604.1	602.6	602.6	601.8	601.8	601.8
5°	608.9	608.9	607.3	604.9	603.4	601.0	601.0	600.2	599.4
7.5°	611.3	610.5	608.1	604.9	601.0	597.0	595.4	596.2	595.4
10°	610.5	608.9	605.7	599.4	594.6	589.1	588.3	587.5	588.3
12.5°	612.1	609.7	603.4	595.4	587.5	581.2	580.4	580.4	581.2
15°	613.0	610.5	602.6	590.7	579.6	573.2	572.5	573.2	574.0
17.5°	610.5	607.3	595.4	579.6	566.9	560.6	560.6	562.2	563.7
20°	601.8	597.0	580.4	561.4	547.1	542.3	543.9	547.1	548.7
22.5°	585.9	580.4	561.4	540.0	524.9	520.9	524.9	528.9	530.5
25°	567.7	561.4	539.2	517.0	501.1	496.4	501.9	508.3	510.6
27.5°	543.1	536.0	515.4	490.0	474.2	471.8	478.2	485.3	486.9
30°	513.8	505.9	482.9	459.1	444.9	444.1	451.2	457.6	459.9
32.5°	478.2	471.0	451.2	427.3	414.7	414.7	421.8	427.3	429.7
35°	440.1	432.1	414.7	394.8	384.5	385.3	392.5	396.4	398.8
37.5°	394.8	392.5	379.0	362.4	355.2	356.8	362.4	365.5	367.9
40°	358.4	352.1	343.3	329.9	325.1	326.7	332.2	335.4	337.0
42.5°	318.8	314.8	307.7	298.2	295.0	297.4	302.1	304.5	303.7
45°	280.7	279.9	272.8	267.3	265.7	268.8	272.0	274.4	275.2
47.5°	252.9	249.7	243.4	239.4	237.8	241.0	244.2	245.8	245.8
50°	225.9	222.8	216.4	212.5	210.9	214.1	216.4	218.0	216.4
52.5°	199.0	195.8	190.3	185.5	184.7	186.3	187.1	187.9	189.5
55°	177.6	174.4	168.1	162.6	161.0	161.8	161.0	161.0	160.2
57.5°	157.0	153.8	147.5	141.2	138.8	138.0	135.6	134.8	134.0
60°	138.8	134.8	128.5	121.4	118.2	115.0	111.0	108.7	108.7
62.5°	121.4	117.4	110.3	103.9	99.2	93.6	87.2	84.0	84.0
65°	104.7	101.5	93.6	86.4	80.0	72.9	65.8	64.2	65.8
67.5°	88.9	85.6	77.7	70.5	62.6	53.9	47.5	47.5	49.1
70°	74.5	71.3	64.2	55.5	46.8	38.0	33.3	33.3	33.3
72.5°	61.0	57.8	49.9	42.0	33.3	24.6	22.2	23.0	22.2
75°	47.5	45.2	38.0	29.3	21.4	15.1	14.3	13.5	14.3
77.5°	35.7	33.3	26.9	19.0	11.9	8.7	7.9	7.9	7.9
80°	24.6	22.2	17.4	11.1	6.3	4.0	4.0	4.0	4.0
82.5°	15.1	12.7	9.5	5.5	2.4	2.4	2.4	2.4	2.4
85°	7.1	5.5	4.0	1.6	0.8	0.8	0.8	0.8	0.8
87.5°	1.6	1.6	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)