

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: P593086

Luminaire Tested: **HCC6S10D010MB-HM60525950-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010MB-HM60525950-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

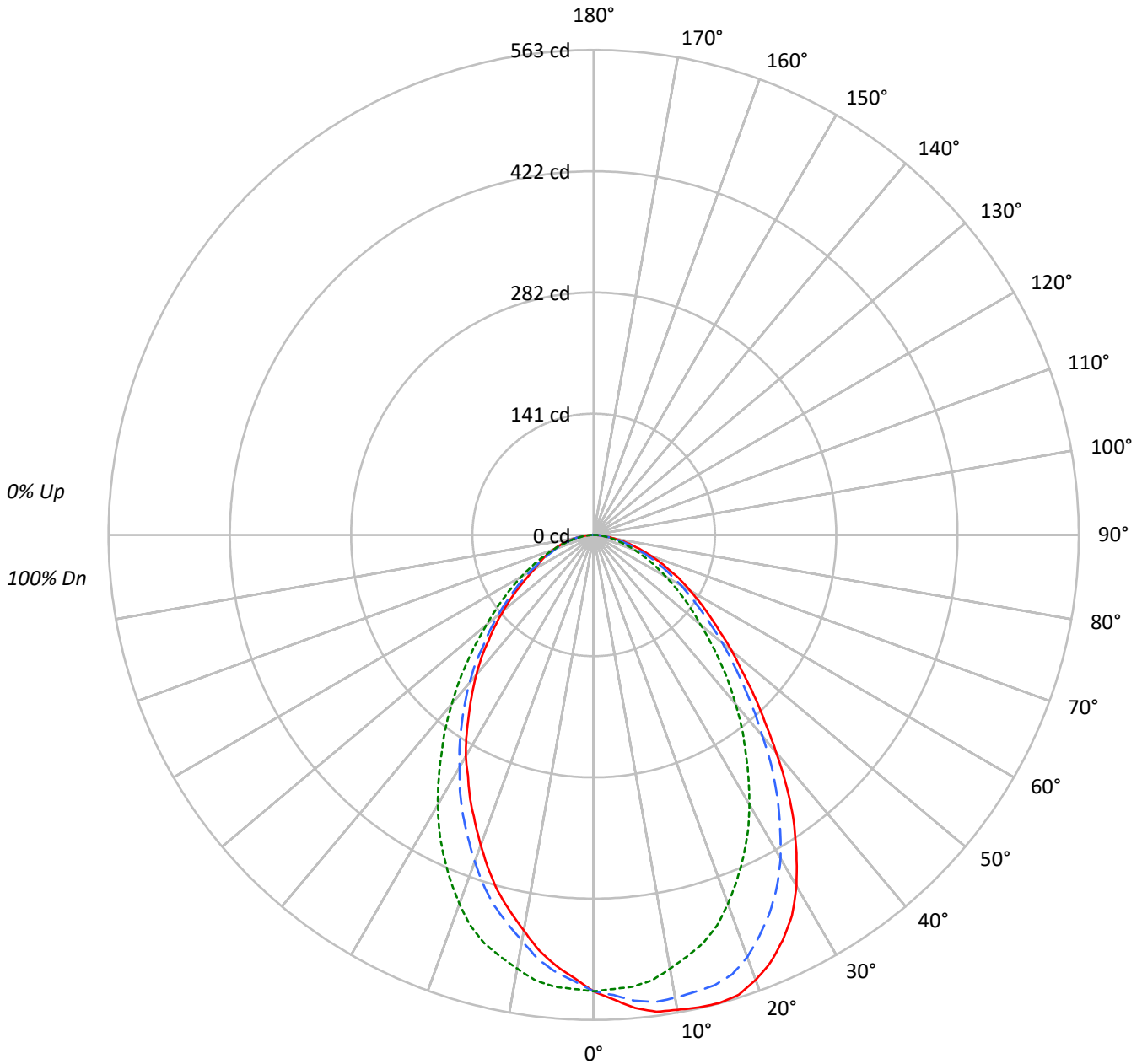
Lumens per Lamp: N/A  
Luminaire Lumens: 986.9 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593086  
CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWW

### Luminous Intensity Polar Plot





TEST NUMBER: P593086

CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

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

	0°	90°	180°
0°	29044	29044	29044
5°	30332	28962	27625
10°	31162	28462	25963
15°	31930	27844	24325
20°	32074	26579	22344
25°	31399	24891	20487
30°	29796	22890	18781
35°	27064	20565	16851
40°	23573	18313	15157
45°	20397	16033	13319
50°	17825	13808	11676
55°	15741	12129	10016
60°	14144	10635	8673
65°	12673	9249	8419
70°	11316	7886	7886
75°	9807	6651	7413
80°	7861	5619	6756
85°	5409	4906	5850



TEST NUMBER: P593086  
 CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	5.0
10°-20°	138.4	14.0
20°-30°	192.9	19.5
30°-40°	198.8	20.1
40°-50°	164.7	16.7
50°-60°	118.4	12.0
60°-70°	75.4	7.6
70°-80°	38.7	3.9
80°-90°	9.8	1.0
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°	381.1	38.6
0°-40°	579.9	58.8
0°-60°	863.0	87.4
0°-90°	986.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	986.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	530	530	530	530	530	
5°	551	543	526	509	502	53
15°	563	541	491	446	429	159
25°	519	484	412	359	339	238
35°	404	372	307	267	252	251
45°	263	245	207	180	172	204
55°	165	151	127	113	105	148
65°	98	87	71	62	65	98
75°	46	40	31	33	35	49
85°	9	8	8	9	9	11
90°	0	0	0	0	0	



TEST NUMBER: P593086

CATALOG NUMBER: HCC6S10D010MB-HM60525950-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8	529.8
2.5°	539.9	537.7	534.8	531.9	527.6	522.6	518.5	517.0	514.8
5°	551.2	548.3	542.7	535.5	526.3	517.0	509.2	504.2	502.0
7.5°	558.3	554.8	547.0	534.8	521.3	507.7	496.3	489.1	486.3
10°	559.8	556.2	545.5	529.1	511.3	492.8	478.5	469.9	466.4
12.5°	561.9	556.9	543.4	524.1	501.2	479.9	462.1	451.3	447.8
15°	562.6	556.9	541.2	517.7	490.6	464.9	445.7	432.9	428.6
17.5°	559.8	553.3	534.8	506.3	475.7	448.5	425.7	412.2	406.5
20°	549.8	542.7	521.3	489.1	455.6	427.1	403.6	389.3	383.0
22.5°	536.9	527.6	503.4	469.2	434.2	404.4	380.8	366.5	360.1
25°	519.1	510.5	483.5	447.1	411.5	380.1	358.7	343.7	338.7
27.5°	498.4	488.5	460.6	424.3	387.9	356.6	335.9	322.3	315.9
30°	470.7	461.4	433.6	397.2	361.6	332.2	311.0	299.5	296.7
32.5°	437.9	429.9	402.9	368.7	334.4	307.3	289.6	277.3	274.5
35°	404.4	395.1	371.5	339.4	307.3	283.1	266.7	255.9	251.8
37.5°	367.9	359.4	339.4	311.0	282.4	259.6	245.3	236.0	231.7
40°	329.4	323.1	304.5	281.6	255.9	236.0	223.9	216.1	211.8
42.5°	293.8	287.4	274.5	253.1	231.7	213.9	203.2	196.1	192.6
45°	263.1	257.4	244.6	226.1	206.8	191.9	180.4	175.5	171.8
47.5°	232.5	229.6	218.2	201.0	183.3	170.5	162.6	156.9	154.1
50°	209.0	205.3	194.7	176.8	161.9	151.9	144.8	139.8	136.9
52.5°	184.7	181.1	171.2	156.2	144.0	134.8	127.7	123.4	120.6
55°	164.7	161.9	151.1	137.7	126.9	119.1	112.6	107.7	104.8
57.5°	146.1	143.3	133.3	120.6	111.3	104.1	98.4	94.2	90.6
60°	129.0	126.9	116.9	104.8	97.0	89.9	84.9	81.3	79.1
62.5°	114.1	109.8	101.3	90.6	83.4	77.8	72.8	70.6	72.0
65°	97.7	95.5	87.1	77.8	71.3	65.7	62.0	63.5	64.9
67.5°	84.1	81.3	74.1	65.7	59.9	55.6	53.4	56.4	57.1
70°	70.6	67.7	61.4	54.2	49.2	46.3	46.3	48.4	49.2
72.5°	57.7	55.6	49.9	44.3	40.6	38.5	40.0	41.3	42.1
75°	46.3	44.3	40.0	35.0	31.4	31.4	32.8	34.2	35.0
77.5°	35.7	34.2	30.0	26.4	24.9	24.9	26.4	27.1	27.8
80°	24.9	23.5	21.4	19.2	17.8	19.2	20.7	20.7	21.4
82.5°	16.4	15.7	14.3	12.8	12.8	13.6	14.3	14.9	14.9
85°	8.6	8.6	7.8	7.1	7.8	8.6	8.6	9.3	9.3
87.5°	2.8	2.8	2.8	2.8	3.5	3.5	3.5	3.5	3.5
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)