

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: P581657

Luminaire Tested: **HCC6S10D010MB-HM60525930-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581657  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010MB-HM60525930-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

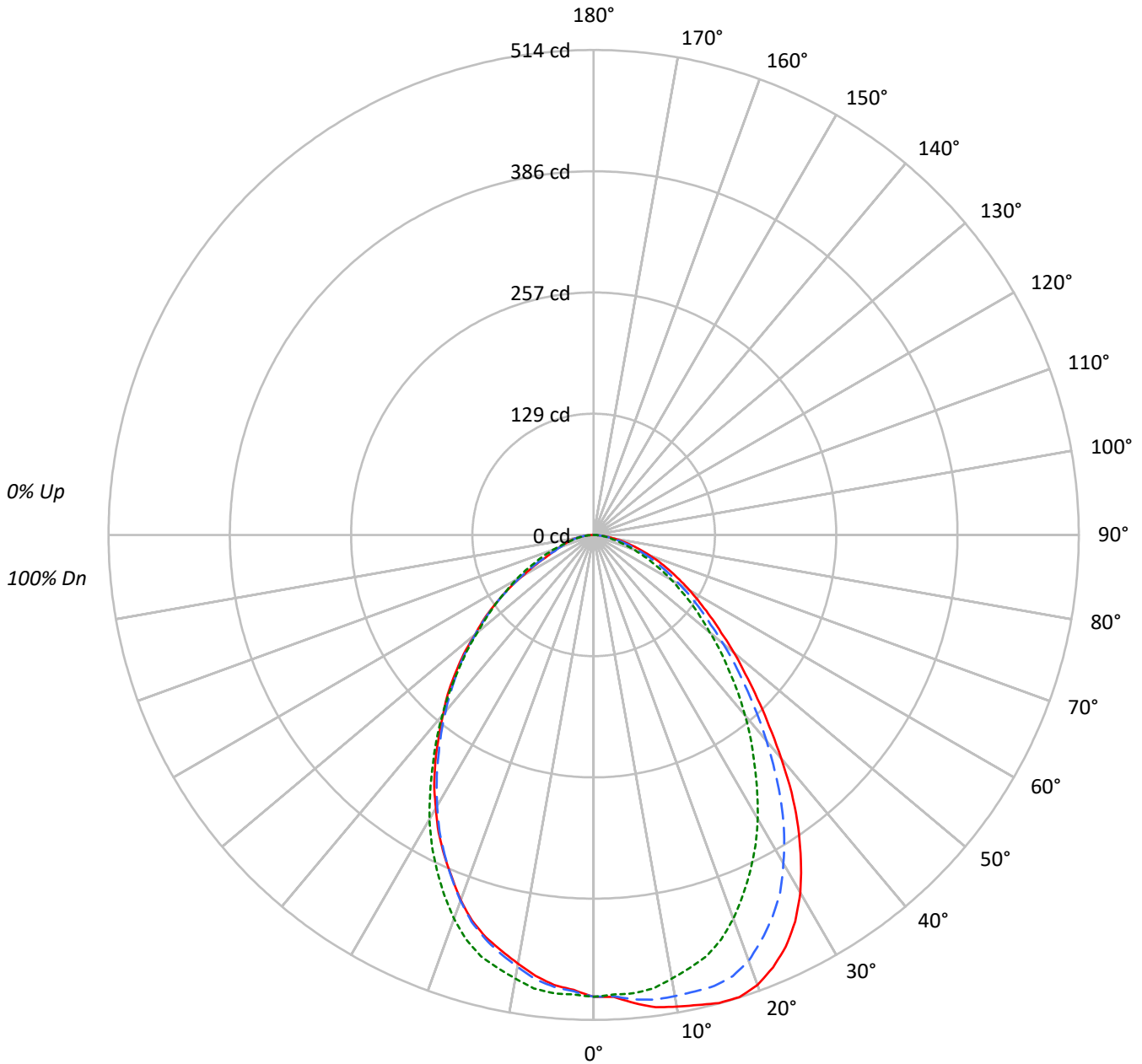
Lumens per Lamp: N/A  
Luminaire Lumens: 958.7 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (Ain): 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: P581657  
CATALOG NUMBER: HCC6S10D010MB-HM60525930-61WWWB

### Luminous Intensity Polar Plot





TEST NUMBER: P581657

CATALOG NUMBER: HCC6S10D010MB-HM60525930-61WWWB

**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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76								
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66								
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58								
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52								
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31								

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

	0°	90°	180°
0°	26834	26834	26834
5°	27416	26832	26348
10°	28256	26580	25684
15°	29149	26226	25051
20°	29613	25243	24030
25°	29131	23747	22653
30°	27732	22016	21168
35°	25290	19869	19562
40°	22106	17855	17755
45°	19025	15707	16071
50°	16537	13688	13970
55°	14442	12023	12138
60°	12828	10416	9528
65°	11454	8769	7277
70°	10066	7181	6107
75°	8642	5655	5804
80°	6977	4862	5714
85°	4655	4214	5032



TEST NUMBER: P581657  
 CATALOG NUMBER: HCC6S10D010MB-HM60525930-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.3	4.8
10°-20°	131.9	13.8
20°-30°	188.4	19.6
30°-40°	197.3	20.6
40°-50°	166.1	17.3
50°-60°	118.2	12.3
60°-70°	69.2	7.2
70°-80°	32.8	3.4
80°-90°	8.4	0.9
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°	366.7	38.2
0°-40°	564.0	58.8
0°-60°	848.3	88.5
0°-90°	958.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	958.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	490	490	490	490	490	
5°	498	494	488	481	479	48
15°	514	495	462	443	441	145
25°	482	447	393	374	374	220
35°	378	346	297	287	292	235
45°	245	227	203	203	207	191
55°	151	138	126	126	127	136
65°	88	78	68	57	56	88
75°	41	34	27	26	27	44
85°	7	6	7	8	8	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581657

CATALOG NUMBER: HCC6S10D010MB-HM60525930-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5	489.5
2.5°	490.2	490.2	489.5	488.9	487.6	485.5	484.2	482.8	482.8
5°	498.2	496.8	494.2	490.8	487.6	483.5	480.9	478.8	478.8
7.5°	504.9	502.3	496.8	490.8	484.8	479.5	474.9	472.2	471.5
10°	507.6	504.2	496.3	486.9	477.5	470.1	464.8	461.4	461.4
12.5°	510.3	506.2	495.6	482.1	470.1	460.2	454.7	452.1	451.4
15°	513.6	508.3	494.9	478.2	462.1	450.8	443.4	441.4	441.4
17.5°	513.6	506.9	490.2	469.4	449.4	436.7	430.0	428.0	428.7
20°	507.6	500.2	480.2	454.7	432.7	419.3	412.6	411.3	411.9
22.5°	496.3	487.6	464.8	437.4	413.3	399.3	393.3	393.3	392.6
25°	481.6	472.2	447.4	418.6	392.6	378.5	373.8	374.5	374.5
27.5°	462.1	452.8	428.0	397.2	371.2	357.1	353.7	355.1	355.8
30°	438.1	428.0	402.0	371.9	347.8	333.7	331.7	333.7	334.4
32.5°	408.7	401.3	375.8	345.0	322.4	310.3	309.6	311.6	314.4
35°	377.9	369.8	346.4	318.3	296.9	286.8	286.8	290.2	292.3
37.5°	344.4	336.4	315.0	291.6	273.5	264.2	265.5	268.8	269.5
40°	308.9	302.9	284.9	264.8	249.5	242.1	244.1	247.5	248.1
42.5°	275.5	270.2	255.5	237.4	226.1	220.7	223.3	227.4	228.7
45°	245.4	239.4	227.4	212.0	202.6	199.9	203.3	206.0	207.3
47.5°	218.0	212.7	202.6	188.6	181.9	180.6	184.0	185.2	186.6
50°	193.9	188.6	178.5	165.8	160.5	160.5	163.1	164.5	163.8
52.5°	170.5	165.8	156.4	145.8	142.4	142.4	144.4	145.1	146.5
55°	151.1	146.5	138.4	128.4	125.8	124.4	125.8	125.8	127.0
57.5°	133.1	129.0	121.7	112.4	109.0	107.7	107.0	106.3	107.7
60°	117.0	113.7	105.6	97.7	95.0	91.6	89.0	86.3	86.9
62.5°	102.3	98.9	91.6	83.5	80.9	76.2	72.9	69.5	70.9
65°	88.3	84.9	78.2	71.5	67.6	62.1	56.8	54.8	56.1
67.5°	75.6	72.9	66.2	59.5	56.1	50.1	44.8	44.8	45.5
70°	62.8	60.2	54.8	48.8	44.8	39.5	37.5	38.1	38.1
72.5°	51.5	49.5	44.1	38.8	34.8	31.5	31.5	32.1	32.7
75°	40.8	39.5	34.1	29.4	26.7	24.8	26.0	26.7	27.4
77.5°	31.5	29.4	25.4	22.1	20.0	20.7	22.1	22.8	23.4
80°	22.1	21.4	18.1	16.1	15.4	16.1	17.4	18.1	18.1
82.5°	14.0	13.4	11.3	10.8	10.8	11.3	12.7	12.7	12.7
85°	7.4	6.7	6.0	6.0	6.7	7.4	8.0	8.0	8.0
87.5°	2.7	2.0	2.7	2.7	3.4	3.4	3.4	3.4	3.4
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)