

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: P593067

Luminaire Tested: **HCC6S10D010MB-HM60525850-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593067  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010MB-HM60525850-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

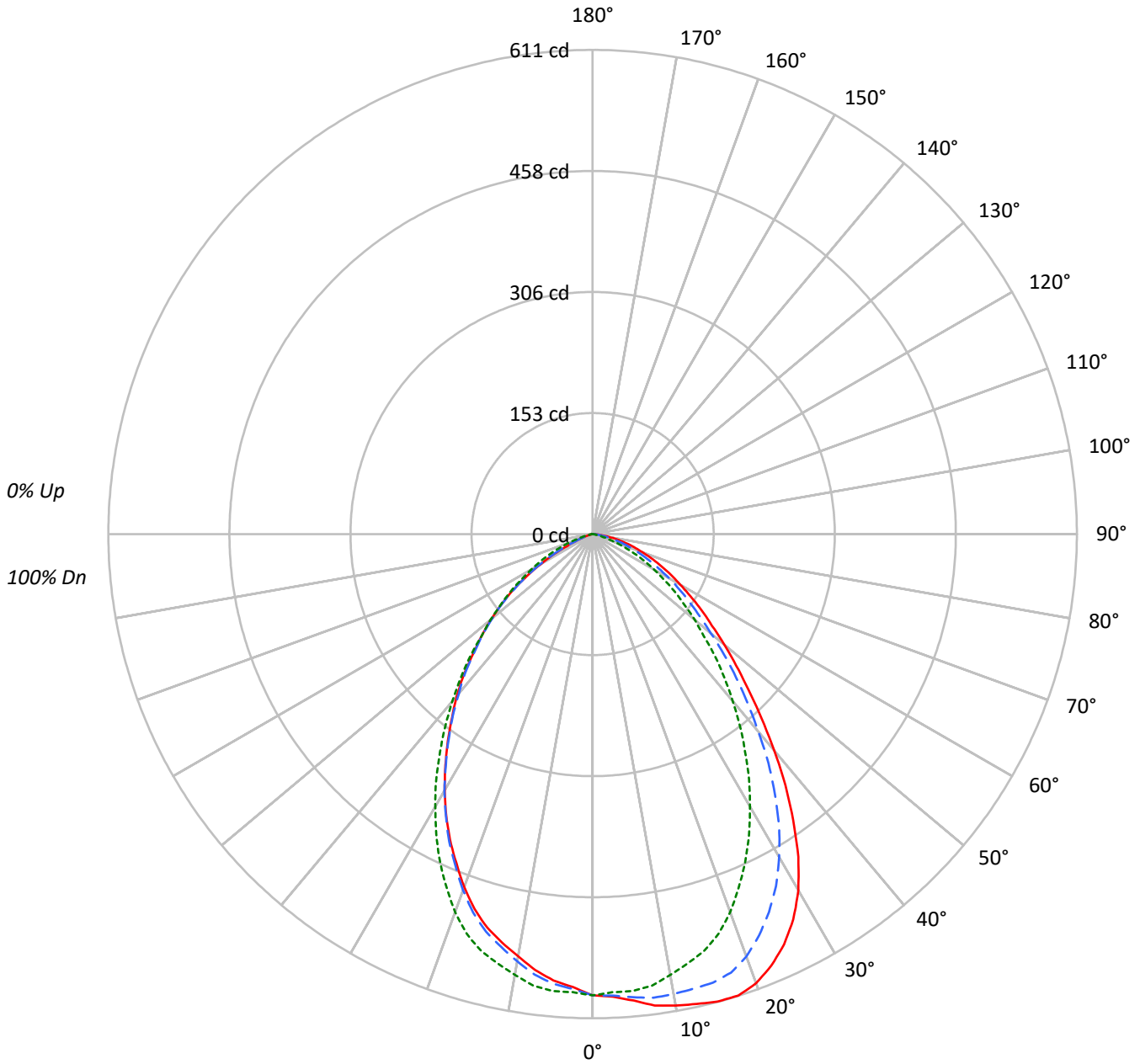
Lumens per Lamp: N/A  
Luminaire Lumens: 1037.0 lumens  
Efficiency: N/A  
Efficacy: 104.8 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593067  
CATALOG NUMBER: HCC6S10D010MB-HM60525850-61WWBB

### Luminous Intensity Polar Plot





TEST NUMBER: P593067

CATALOG NUMBER: HCC6S10D010MB-HM60525850-61WWBB

**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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78					78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69					69			
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

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

	0°	90°	180°
0°	31905	31905	31905
5°	32517	31846	31119
10°	33622	31440	30115
15°	34654	30891	29172
20°	35190	29607	27647
25°	34556	27576	25743
30°	32847	25130	23624
35°	29520	22453	21308
40°	25476	19680	19036
45°	21568	16947	16498
50°	18498	14311	14174
55°	16038	12043	11574
60°	14001	9780	8256
65°	12323	7536	4566
70°	10627	4985	2228
75°	9023	2415	868
80°	6977	1042	505
85°	4151	503	503



TEST NUMBER: P593067  
 CATALOG NUMBER: HCC6S10D010MB-HM60525850-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.9	5.3
10°-20°	155.3	15.0
20°-30°	218.7	21.1
30°-40°	223.4	21.5
40°-50°	180.1	17.4
50°-60°	120.8	11.7
60°-70°	61.1	5.9
70°-80°	19.5	1.9
80°-90°	3.0	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°	428.9	41.4
0°-40°	652.3	62.9
0°-60°	953.3	91.9
0°-90°	1037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	582	582	582	582	582	
5°	591	587	579	570	566	57
15°	611	586	544	520	514	172
25°	571	526	456	428	426	262
35°	441	401	336	317	318	275
45°	278	256	219	211	213	216
55°	168	149	126	120	121	151
65°	95	79	58	38	35	95
75°	43	30	11	4	4	46
85°	7	3	1	1	1	9
90°	0	0	0	0	0	

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



TEST NUMBER: P593067

CATALOG NUMBER: HCC6S10D010MB-HM60525850-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0	582.0
2.5°	584.3	583.5	582.8	581.2	578.7	576.2	574.6	572.9	572.1
5°	590.9	589.3	586.8	583.5	578.7	572.9	569.6	566.3	565.5
7.5°	600.0	596.7	590.1	582.8	574.6	566.3	560.7	557.4	554.9
10°	604.0	598.3	589.3	577.0	564.8	554.9	547.5	542.7	541.0
12.5°	607.3	600.8	587.6	571.3	554.9	541.8	533.6	529.5	528.0
15°	610.6	604.0	586.0	564.8	544.3	528.8	519.7	515.6	514.0
17.5°	610.6	601.5	580.3	553.3	528.8	510.0	500.9	496.8	496.0
20°	603.2	593.4	567.2	535.3	507.5	486.2	478.0	475.6	473.9
22.5°	589.3	577.9	548.3	512.3	482.1	461.6	452.6	451.0	449.3
25°	571.3	559.9	526.3	487.8	455.9	435.5	428.0	426.4	425.6
27.5°	548.3	536.1	500.9	461.6	427.2	407.6	401.1	401.1	400.3
30°	518.9	505.0	470.6	431.3	397.0	379.0	374.0	374.0	373.2
32.5°	482.9	469.0	437.9	400.3	367.4	348.7	344.6	346.2	345.4
35°	441.1	429.7	401.1	364.3	335.5	318.4	316.7	318.4	318.4
37.5°	399.4	388.7	364.3	332.4	305.3	289.8	289.8	292.2	291.4
40°	356.0	347.9	324.9	297.2	275.0	264.3	262.7	265.2	266.0
42.5°	315.1	308.6	288.9	266.0	246.3	235.7	238.2	239.8	240.7
45°	278.2	271.7	256.2	232.4	218.6	211.1	211.1	213.6	212.8
47.5°	245.5	240.7	225.0	202.2	189.8	186.7	188.3	189.8	189.8
50°	216.9	209.5	194.8	176.8	167.8	163.7	165.4	166.2	166.2
52.5°	189.8	185.0	170.3	153.8	145.7	143.2	143.2	144.1	144.1
55°	167.8	162.1	149.0	132.6	126.0	122.8	120.3	119.5	121.1
57.5°	146.5	141.6	129.3	113.8	106.4	103.1	98.3	96.6	98.3
60°	127.7	123.6	111.3	96.6	89.2	82.6	77.0	73.7	75.3
62.5°	111.3	106.4	94.1	81.8	73.7	66.3	57.3	52.4	54.8
65°	95.0	90.9	78.6	66.3	58.1	49.1	38.5	35.2	35.2
67.5°	80.3	76.1	64.6	54.0	44.1	33.5	23.8	22.9	23.8
70°	66.3	62.3	52.4	41.8	31.1	20.5	13.9	13.9	13.9
72.5°	54.8	49.9	41.0	30.3	19.7	10.6	7.4	8.2	8.2
75°	42.6	38.5	30.3	20.5	11.4	4.9	4.1	4.1	4.1
77.5°	31.9	28.6	21.3	13.1	5.8	1.6	1.6	1.6	1.6
80°	22.1	18.8	13.9	8.2	3.3	1.6	1.6	1.6	1.6
82.5°	13.1	11.4	8.2	4.1	1.6	0.8	0.8	0.8	0.8
85°	6.6	5.8	3.3	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)