

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: P593065

Luminaire Tested: **HCC6S10D010SL-HM60525850-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593065  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S10D010SL-HM60525850-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

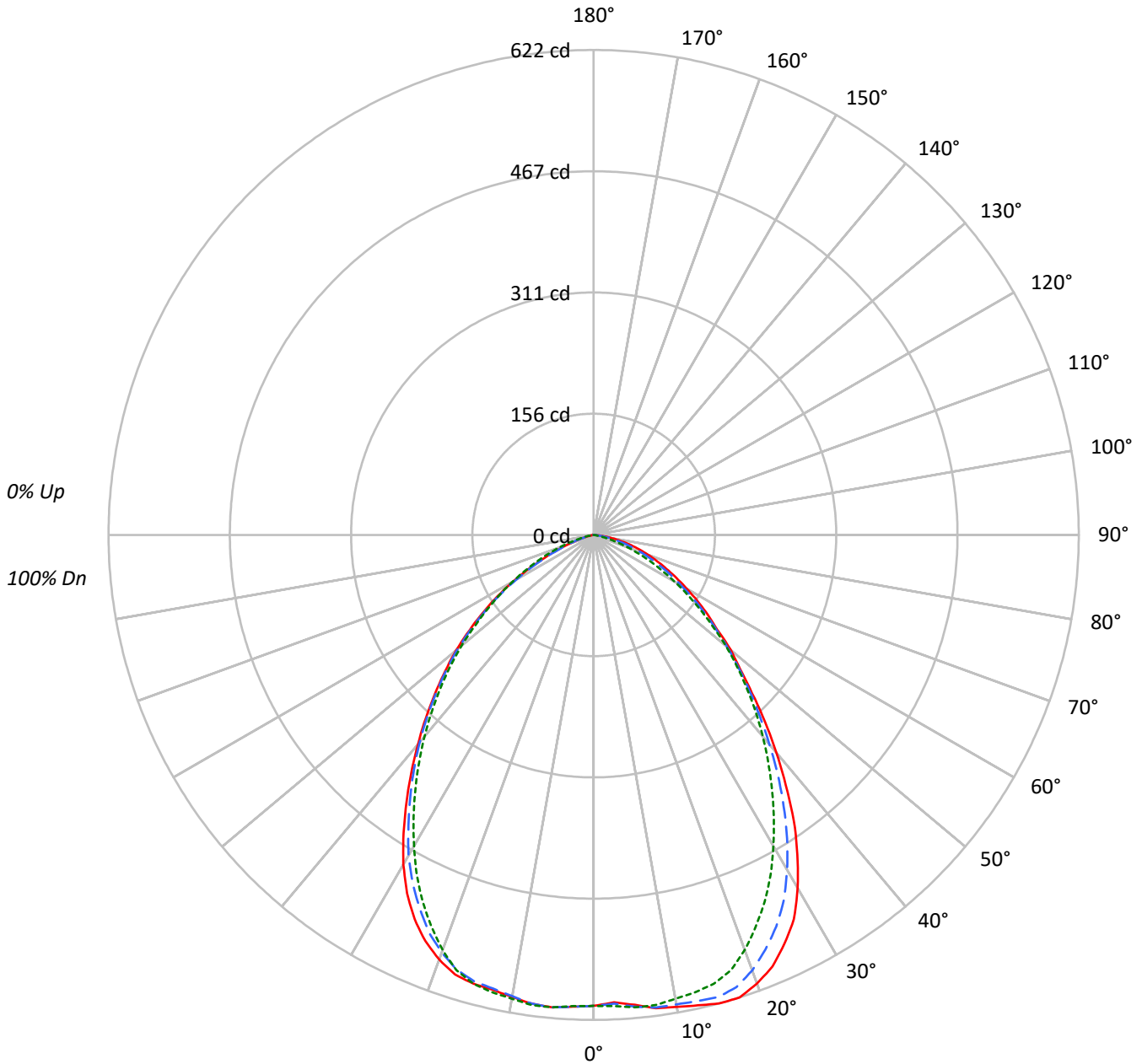
Lumens per Lamp: N/A  
Luminaire Lumens: 1219.5 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593065  
CATALOG NUMBER: HCC6S10D010SL-HM60525850-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P593065

CATALOG NUMBER: HCC6S10D010SL-HM60525850-61RWWC

**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	94	92	90	88				
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77				
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68				
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60				
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	62	55	50	60	54	49	58	53	49	47				
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	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°	33111	33111	33111
5°	33287	33469	33469
10°	34218	33622	33494
15°	35301	33820	33820
20°	35721	33049	33807
25°	35004	31387	32875
30°	33113	29169	30884
35°	29961	26676	27994
40°	26070	24131	25076
45°	22274	21514	22274
50°	19547	18848	19616
55°	17051	15885	16506
60°	15076	13190	13003
65°	13374	10416	8911
70°	11813	7341	5369
75°	10040	4173	2584
80°	7514	1294	789
85°	4151	503	503



TEST NUMBER: P593065  
 CATALOG NUMBER: HCC6S10D010SL-HM60525850-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.9	4.8
10°-20°	169.5	13.9
20°-30°	247.6	20.3
30°-40°	259.7	21.3
40°-50°	218.8	17.9
50°-60°	153.3	12.6
60°-70°	82.2	6.7
70°-80°	27.6	2.3
80°-90°	3.0	0.2
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°	475.1	39.0
0°-40°	734.8	60.2
0°-60°	1106.8	90.8
0°-90°	1219.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	604	604	604	604	604	
5°	605	607	608	608	608	58
15°	622	614	596	593	596	175
25°	579	554	519	528	544	265
35°	448	425	399	410	418	278
45°	287	282	278	285	287	224
55°	178	173	166	170	173	161
65°	103	94	80	66	69	103
75°	47	37	20	12	12	50
85°	7	3	1	1	1	9
90°	0	0	0	0	0	



TEST NUMBER: P593065

CATALOG NUMBER: HCC6S10D010SL-HM60525850-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
2.5°	600.0	600.0	601.7	603.2	604.9	604.9	605.7	606.5	605.7
5°	604.9	604.9	607.3	608.2	608.2	607.3	608.2	608.2	608.2
7.5°	612.3	610.6	611.4	609.8	608.2	607.3	606.5	606.5	606.5
10°	614.7	613.1	611.4	608.2	604.0	601.7	600.8	601.7	601.7
12.5°	618.0	616.4	612.3	605.7	600.8	596.7	595.9	597.6	597.6
15°	622.0	620.4	613.9	603.2	595.9	591.8	592.6	594.3	595.9
17.5°	622.0	618.9	608.2	594.3	585.2	581.2	584.5	588.5	591.0
20°	612.3	609.0	594.3	577.1	566.5	564.0	569.7	577.1	579.5
22.5°	599.2	592.6	575.4	555.0	543.5	543.5	551.7	560.7	564.0
25°	578.7	573.8	554.1	530.5	518.9	518.1	528.0	540.2	543.5
27.5°	555.8	549.2	528.0	503.4	491.2	492.0	502.6	514.8	518.1
30°	523.1	514.8	496.0	472.3	460.8	464.1	474.8	483.7	487.9
32.5°	486.2	478.8	461.6	439.6	429.7	433.0	442.0	450.2	453.5
35°	447.7	439.6	424.8	405.1	398.6	401.9	410.1	416.6	418.3
37.5°	404.4	398.6	387.9	372.4	367.6	371.6	378.2	382.3	383.9
40°	364.3	359.3	350.4	338.9	337.2	340.5	347.1	349.6	350.4
42.5°	325.0	320.8	315.1	307.0	307.0	310.2	315.9	317.6	318.4
45°	287.3	284.8	282.4	275.9	277.5	281.5	284.8	287.3	287.3
47.5°	254.6	255.4	252.1	247.2	248.8	252.9	255.4	257.9	257.9
50°	229.2	226.7	223.5	218.6	221.0	224.2	227.5	229.2	230.0
52.5°	199.7	198.9	196.4	190.7	192.3	194.0	197.3	199.7	200.6
55°	178.4	176.0	172.7	166.2	166.2	167.8	169.5	171.0	172.7
57.5°	158.0	155.5	150.6	143.2	142.4	142.4	141.6	143.2	145.7
60°	137.5	136.7	129.3	122.8	120.3	117.8	114.6	115.5	118.6
62.5°	119.5	117.8	111.3	103.1	98.3	94.2	90.0	89.2	92.5
65°	103.1	101.5	94.2	85.9	80.3	72.9	66.3	66.3	68.7
67.5°	88.4	85.1	78.6	69.6	62.3	53.2	46.6	48.3	49.1
70°	73.7	71.2	63.8	54.8	45.8	36.8	32.7	33.5	33.5
72.5°	60.6	57.3	49.9	41.0	31.9	23.8	22.1	21.3	21.3
75°	47.4	44.1	36.8	27.8	19.7	13.9	12.2	12.2	12.2
77.5°	34.4	31.9	25.4	17.2	10.6	6.6	5.8	4.9	4.9
80°	23.8	21.3	15.5	9.1	4.1	2.5	2.5	2.5	2.5
82.5°	13.9	11.4	7.4	4.1	1.6	0.8	0.8	0.8	0.8
85°	6.6	4.9	3.3	1.6	0.8	0.8	0.8	0.8	0.8
87.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	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)