

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: P583412

Luminaire Tested: **HCC6S07D010SL-HM60525940-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583412  
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: HCC6S07D010SL-HM60525940-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

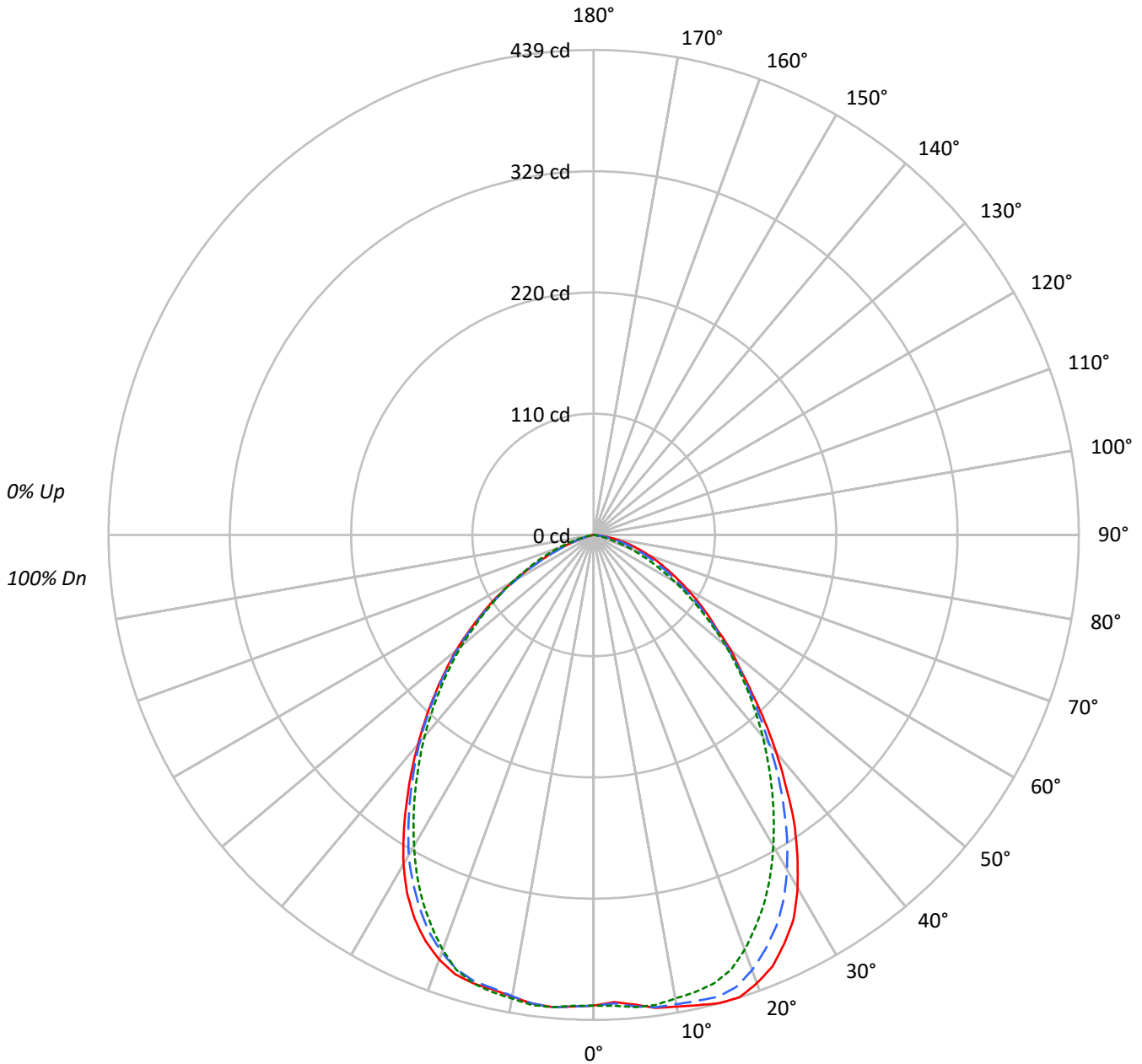
Lumens per Lamp: N/A  
Luminaire Lumens: 860.3 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
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: P583412  
CATALOG NUMBER: HCC6S07D010SL-HM60525940-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P583412

CATALOG NUMBER: HCC6S07D010SL-HM60525940-61RWWC

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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°	23359	23359	23359
5°	23481	23613	23613
10°	24137	23719	23625
15°	24904	23854	23854
20°	25196	23312	23849
25°	24691	22144	23191
30°	23358	20579	21782
35°	21141	18819	19742
40°	18392	17025	17683
45°	15715	15180	15715
50°	13791	13296	13833
55°	12033	11211	11641
60°	10635	9308	9177
65°	9430	7329	6291
70°	8335	5177	3799
75°	7096	2923	1822
80°	5304	884	537
85°	2893	377	377



TEST NUMBER: P583412

CATALOG NUMBER: HCC6S07D010SL-HM60525940-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.9	4.8
10°-20°	119.6	13.9
20°-30°	174.7	20.3
30°-40°	183.2	21.3
40°-50°	154.3	17.9
50°-60°	108.1	12.6
60°-70°	58.0	6.7
70°-80°	19.4	2.3
80°-90°	2.1	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°	335.1	39.0
0°-40°	518.3	60.2
0°-60°	780.8	90.8
0°-90°	860.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	860.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	426	426	426	426	426	
5°	427	428	429	429	429	41
15°	439	433	420	418	420	124
25°	408	391	366	372	383	187
35°	316	300	281	289	295	196
45°	203	199	196	201	203	158
55°	126	122	117	120	122	113
65°	73	66	56	47	48	73
75°	34	26	14	9	9	36
85°	5	2	1	1	1	6
90°	0	0	0	0	0	

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



TEST NUMBER: P583412

CATALOG NUMBER: HCC6S07D010SL-HM60525940-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	426.1	426.1	426.1	426.1	426.1	426.1	426.1	426.1	426.1
2.5°	423.3	423.3	424.4	425.6	426.7	426.7	427.3	427.8	427.3
5°	426.7	426.7	428.5	429.1	429.1	428.5	429.1	429.1	429.1
7.5°	431.9	430.8	431.3	430.2	429.1	428.5	427.8	427.8	427.8
10°	433.6	432.5	431.3	429.1	426.1	424.4	423.9	424.4	424.4
12.5°	436.0	434.8	431.9	427.3	423.9	420.9	420.3	421.5	421.5
15°	438.8	437.7	433.0	425.6	420.3	417.5	418.1	419.2	420.3
17.5°	438.8	436.5	429.1	419.2	412.9	409.9	412.3	415.1	416.9
20°	431.9	429.6	419.2	407.1	399.6	397.8	401.9	407.1	408.8
22.5°	422.7	418.1	406.0	391.5	383.4	383.4	389.2	395.5	397.8
25°	408.2	404.8	390.9	374.1	366.1	365.5	372.4	381.1	383.4
27.5°	392.0	387.5	372.4	355.1	346.5	347.0	354.5	363.2	365.5
30°	369.0	363.2	349.9	333.2	325.1	327.4	334.9	341.3	344.1
32.5°	343.0	337.7	325.6	310.1	303.2	305.5	311.8	317.6	319.8
35°	315.9	310.1	299.7	285.9	281.2	283.5	289.3	293.9	295.0
37.5°	285.3	281.2	273.7	262.7	259.2	262.2	266.8	269.7	270.8
40°	257.0	253.5	247.1	239.1	237.9	240.2	244.8	246.5	247.1
42.5°	229.2	226.4	222.3	216.5	216.5	218.9	222.9	224.0	224.7
45°	202.7	201.0	199.2	194.6	195.8	198.6	201.0	202.7	202.7
47.5°	179.6	180.1	177.9	174.4	175.5	178.4	180.1	181.8	181.8
50°	161.7	160.0	157.6	154.2	155.9	158.2	160.5	161.7	162.2
52.5°	140.9	140.3	138.6	134.5	135.7	136.9	139.1	140.9	141.5
55°	125.9	124.2	121.8	117.3	117.3	118.4	119.5	120.7	121.8
57.5°	111.5	109.7	106.3	101.1	100.5	100.5	99.9	101.1	102.8
60°	97.0	96.4	91.2	86.6	84.9	83.2	80.9	81.5	83.7
62.5°	84.3	83.2	78.5	72.7	69.3	66.4	63.6	63.0	65.3
65°	72.7	71.6	66.4	60.6	56.5	51.4	46.8	46.8	48.5
67.5°	62.3	60.0	55.4	49.1	43.8	37.5	32.9	34.1	34.7
70°	52.0	50.2	45.1	38.6	32.3	25.9	23.1	23.7	23.7
72.5°	42.7	40.4	35.2	28.9	22.5	16.8	15.6	15.1	15.1
75°	33.5	31.2	25.9	19.6	13.8	9.9	8.6	8.6	8.6
77.5°	24.2	22.5	17.9	12.1	7.5	4.6	4.1	3.5	3.5
80°	16.8	15.1	11.0	6.3	2.8	1.7	1.7	1.7	1.7
82.5°	9.9	8.0	5.2	2.8	1.1	0.6	0.6	0.6	0.6
85°	4.6	3.5	2.3	1.1	0.6	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	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)