

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: P581828

Luminaire Tested: **HCC6S15D010SL-HM60525940-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581828  
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: HCC6S15D010SL-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**

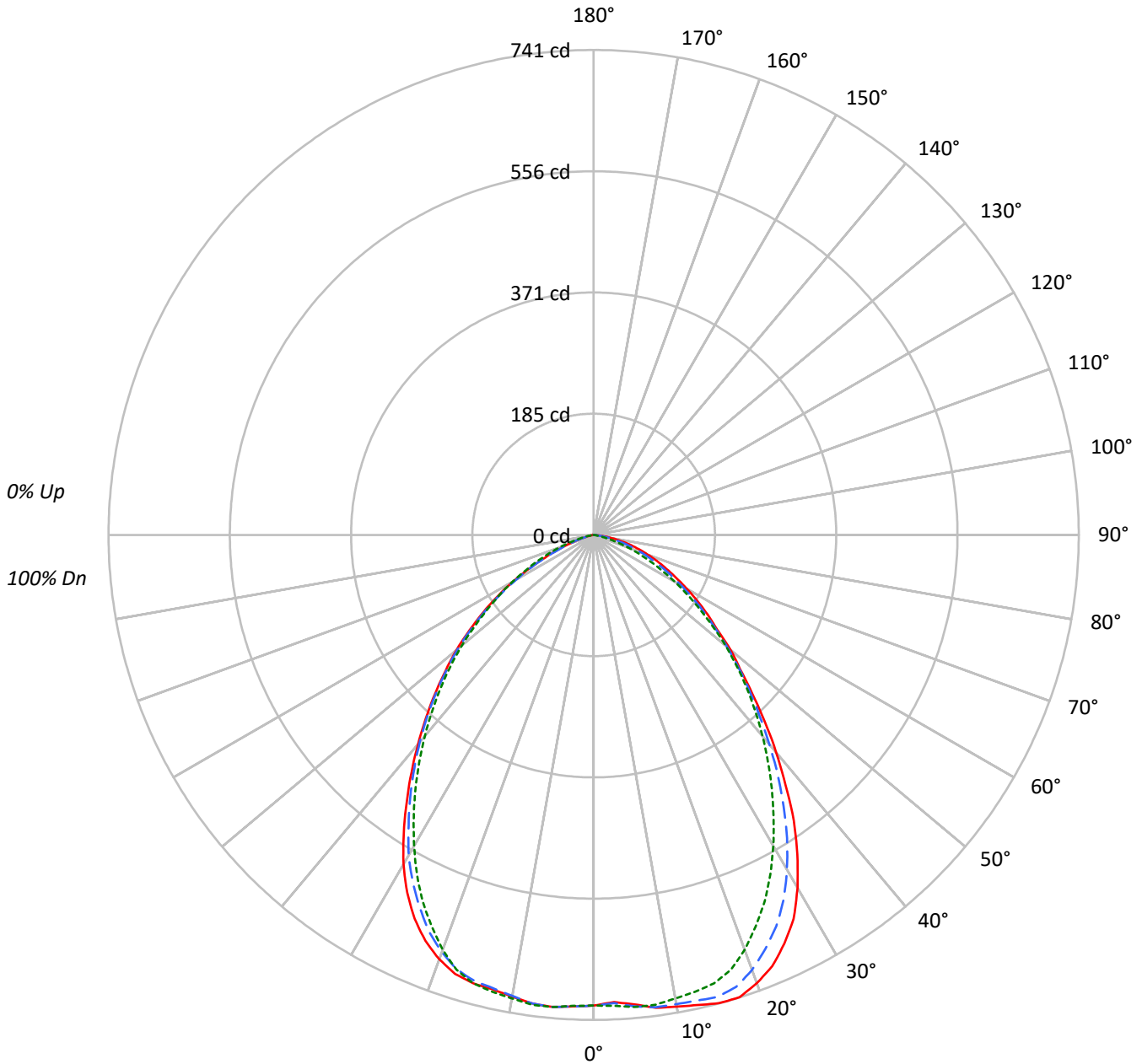
Lumens per Lamp: N/A  
Luminaire Lumens: 1451.8 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: P581828  
CATALOG NUMBER: HCC6S15D010SL-HM60525940-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581828

CATALOG NUMBER: HCC6S15D010SL-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°	39421	39421	39421
5°	39621	39841	39841
10°	40731	40029	39868
15°	42032	40261	40261
20°	42517	39338	40248
25°	41670	37369	39135
30°	39417	34721	36765
35°	35670	31755	33321
40°	31030	28725	29842
45°	26514	25607	26514
50°	23274	22438	23351
55°	20310	18905	19641
60°	17948	15700	15492
65°	15929	12388	10611
70°	14057	8751	6411
75°	11967	4956	3092
80°	8934	1547	947
85°	4906	629	629



TEST NUMBER: P581828  
 CATALOG NUMBER: HCC6S15D010SL-HM60525940-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.0	4.8
10°-20°	201.8	13.9
20°-30°	294.8	20.3
30°-40°	309.1	21.3
40°-50°	260.4	17.9
50°-60°	182.5	12.6
60°-70°	97.8	6.7
70°-80°	32.8	2.3
80°-90°	3.6	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°	565.5	39.0
0°-40°	874.7	60.2
0°-60°	1317.6	90.8
0°-90°	1451.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	719	719	719	719	719	
5°	720	723	724	724	724	69
15°	741	731	709	705	709	209
25°	689	660	618	628	647	316
35°	533	506	474	488	498	331
45°	342	336	330	339	342	266
55°	212	206	198	202	206	191
65°	123	112	96	79	82	123
75°	56	44	23	15	15	60
85°	8	4	1	1	1	11
90°	0	0	0	0	0	



TEST NUMBER: P581828

CATALOG NUMBER: HCC6S15D010SL-HM60525940-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1	719.1
2.5°	714.3	714.3	716.2	718.1	720.0	720.0	721.1	722.0	721.1
5°	720.0	720.0	723.0	724.0	724.0	723.0	724.0	724.0	724.0
7.5°	728.8	726.9	727.9	725.9	724.0	723.0	722.0	722.0	722.0
10°	731.7	729.8	727.9	724.0	719.1	716.2	715.2	716.2	716.2
12.5°	735.7	733.7	728.8	721.1	715.2	710.3	709.4	711.3	711.3
15°	740.6	738.5	730.8	718.1	709.4	704.5	705.4	707.4	709.4
17.5°	740.6	736.6	724.0	707.4	696.7	691.8	695.8	700.6	703.5
20°	728.8	724.9	707.4	686.9	674.3	671.4	678.2	686.9	689.9
22.5°	713.2	705.4	685.0	660.7	647.0	647.0	656.7	667.5	671.4
25°	688.9	683.0	659.7	631.4	617.8	616.8	628.4	643.1	647.0
27.5°	661.6	653.8	628.4	599.3	584.6	585.7	598.3	612.9	616.8
30°	622.7	612.9	590.4	562.2	548.5	552.5	565.1	575.9	580.8
32.5°	578.7	570.0	549.6	523.2	511.5	515.4	526.2	535.9	539.8
35°	533.0	523.2	505.8	482.4	474.5	478.4	488.2	496.0	497.9
37.5°	481.4	474.5	461.8	443.3	437.5	442.4	450.1	455.0	457.0
40°	433.6	427.8	417.0	403.4	401.4	405.3	413.1	416.1	417.0
42.5°	386.8	381.9	375.1	365.4	365.4	369.3	376.1	378.1	379.1
45°	342.0	339.1	336.2	328.4	330.3	335.2	339.1	342.0	342.0
47.5°	303.0	304.0	300.1	294.3	296.2	301.1	304.0	306.9	306.9
50°	272.9	269.9	266.0	260.1	263.1	267.0	270.9	272.9	273.8
52.5°	237.8	236.8	233.8	227.0	228.9	231.0	234.8	237.8	238.7
55°	212.5	209.5	205.5	197.8	197.8	199.8	201.7	203.6	205.5
57.5°	188.1	185.1	179.3	170.5	169.6	169.6	168.5	170.5	173.4
60°	163.7	162.8	153.9	146.2	143.2	140.3	136.4	137.3	141.3
62.5°	142.2	140.3	132.6	122.8	116.9	112.0	107.1	106.2	110.1
65°	122.8	120.9	112.0	102.3	95.5	86.7	78.9	78.9	81.8
67.5°	105.2	101.4	93.5	82.9	74.0	63.3	55.5	57.5	58.5
70°	87.7	84.8	76.0	65.3	54.6	43.8	38.9	40.0	40.0
72.5°	72.1	68.2	59.5	48.7	38.0	28.3	26.3	25.3	25.3
75°	56.5	52.7	43.8	33.1	23.4	16.6	14.6	14.6	14.6
77.5°	41.0	38.0	30.2	20.4	12.7	7.8	6.8	5.9	5.9
80°	28.3	25.3	18.5	10.7	4.9	3.0	3.0	3.0	3.0
82.5°	16.6	13.6	8.7	4.9	1.9	1.0	1.0	1.0	1.0
85°	7.8	5.9	3.9	1.9	1.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	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)