

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: P581801

Luminaire Tested: **HCC6S15D010MW-HM60525930-61WWWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581801  
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: HCC6S15D010MW-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**

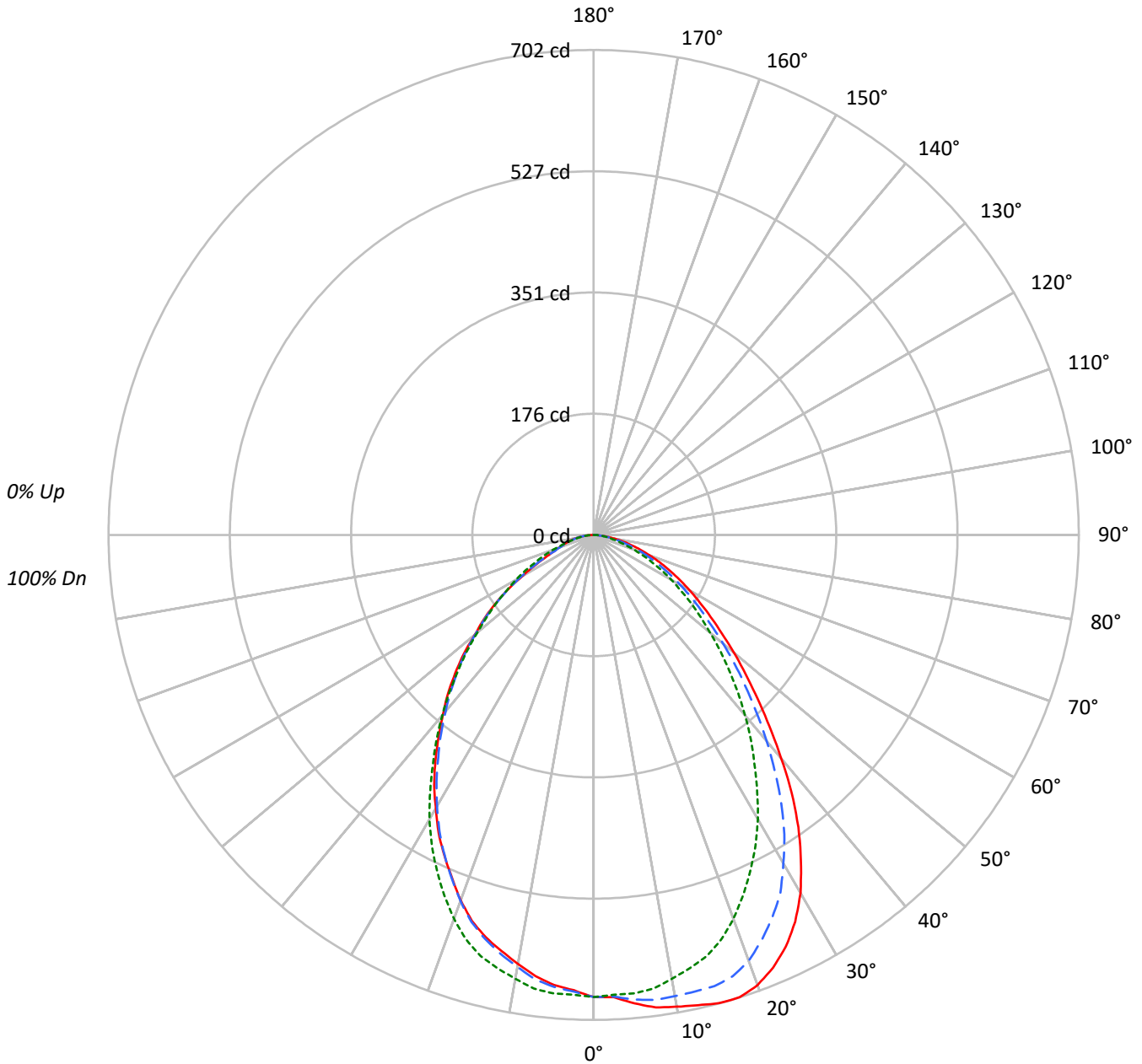
Lumens per Lamp: N/A  
Luminaire Lumens: 1309.8 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: P581801  
CATALOG NUMBER: HCC6S15D010MW-HM60525930-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581801

CATALOG NUMBER: HCC6S15D010MW-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°	36669	36669	36669
5°	37464	36655	36000
10°	38604	36316	35097
15°	39830	35834	34223
20°	40458	34490	32833
25°	39789	32445	30951
30°	37886	30074	28916
35°	34552	27144	26722
40°	30207	24389	24260
45°	26003	21460	21964
50°	22601	18703	19087
55°	19736	16420	16602
60°	17531	14220	13025
65°	15657	11973	9949
70°	13768	9809	8351
75°	11798	7731	7943
80°	9534	6630	7766
85°	6353	5787	6919



TEST NUMBER: P581801  
 CATALOG NUMBER: HCC6S15D010MW-HM60525930-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.3	4.8
10°-20°	180.3	13.8
20°-30°	257.4	19.6
30°-40°	269.6	20.6
40°-50°	227.0	17.3
50°-60°	161.6	12.3
60°-70°	94.6	7.2
70°-80°	44.7	3.4
80°-90°	11.5	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°	501.0	38.2
0°-40°	770.5	58.8
0°-60°	1159.1	88.5
0°-90°	1309.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1309.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	669	669	669	669	669	
5°	681	675	666	657	654	65
15°	702	676	631	606	603	198
25°	658	611	536	511	512	301
35°	516	473	406	392	399	321
45°	335	311	277	278	283	260
55°	206	189	172	172	174	186
65°	121	107	92	78	77	120
75°	56	47	36	36	38	60
85°	10	8	9	11	11	13
90°	0	0	0	0	0	

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



TEST NUMBER: P581801

CATALOG NUMBER: HCC6S15D010MW-HM60525930-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9	668.9
2.5°	669.8	669.8	668.9	667.9	666.1	663.4	661.6	659.8	659.8
5°	680.8	679.0	675.2	670.7	666.1	660.7	656.9	654.2	654.2
7.5°	689.9	686.2	679.0	670.7	662.5	655.1	648.8	645.1	644.2
10°	693.5	688.9	678.0	665.2	652.4	642.4	635.0	630.5	630.5
12.5°	697.2	691.7	677.1	658.8	642.4	628.7	621.3	617.7	616.8
15°	701.8	694.4	676.1	653.3	631.4	615.9	605.9	603.0	603.0
17.5°	701.8	692.6	669.8	641.5	614.0	596.7	587.6	584.8	585.7
20°	693.5	683.5	656.0	621.3	591.2	572.9	563.8	561.9	562.8
22.5°	678.0	666.1	635.0	597.6	564.7	545.5	537.3	537.3	536.4
25°	657.8	645.1	611.3	572.0	536.4	517.2	510.8	511.7	511.7
27.5°	631.4	618.6	584.8	542.8	507.1	487.9	483.4	485.2	486.1
30°	598.5	584.8	549.1	508.0	475.1	455.9	453.2	455.9	456.8
32.5°	558.3	548.2	513.5	471.5	440.4	423.9	423.0	425.9	429.5
35°	516.3	505.3	473.3	434.9	405.6	392.0	392.0	396.6	399.3
37.5°	470.6	459.6	430.4	398.4	373.8	360.9	362.7	367.3	368.2
40°	422.1	413.9	389.3	361.8	340.8	330.7	333.5	338.1	339.0
42.5°	376.5	369.1	349.0	324.4	308.8	301.6	305.2	310.6	312.5
45°	335.4	327.1	310.6	289.7	276.8	273.2	277.7	281.5	283.3
47.5°	297.8	290.6	276.8	257.6	248.6	246.7	251.3	253.1	254.9
50°	265.0	257.6	244.0	226.7	219.3	219.3	222.9	224.7	223.8
52.5°	233.0	226.7	213.8	199.2	194.7	194.7	197.4	198.3	200.1
55°	206.5	200.1	189.1	175.5	171.8	169.9	171.8	171.8	173.7
57.5°	181.8	176.4	166.3	153.6	148.9	147.1	146.2	145.3	147.1
60°	159.9	155.4	144.4	133.4	129.7	125.2	121.6	117.9	118.8
62.5°	139.8	135.2	125.2	114.2	110.5	104.2	99.7	95.0	96.8
65°	120.7	116.0	106.9	97.7	92.3	85.0	77.6	74.9	76.7
67.5°	103.3	99.7	90.5	81.4	76.7	68.6	61.2	61.2	62.1
70°	85.9	82.3	74.9	66.7	61.2	53.9	51.2	52.1	52.1
72.5°	70.4	67.6	60.3	53.0	47.6	42.9	42.9	43.8	44.7
75°	55.7	53.9	46.6	40.2	36.5	33.8	35.6	36.5	37.5
77.5°	42.9	40.2	34.7	30.2	27.5	28.4	30.2	31.1	32.0
80°	30.2	29.3	24.6	21.9	21.0	21.9	23.7	24.6	24.6
82.5°	19.2	18.3	15.5	14.6	14.6	15.5	17.4	17.4	17.4
85°	10.1	9.2	8.2	8.2	9.2	10.1	11.0	11.0	11.0
87.5°	3.6	2.7	3.6	3.6	4.5	4.5	4.5	4.5	4.5
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)