

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: P581792

Luminaire Tested: **HCC6S15D010BZ-HM60525930-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581792  
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: HCC6S15D010BZ-HM60525930-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

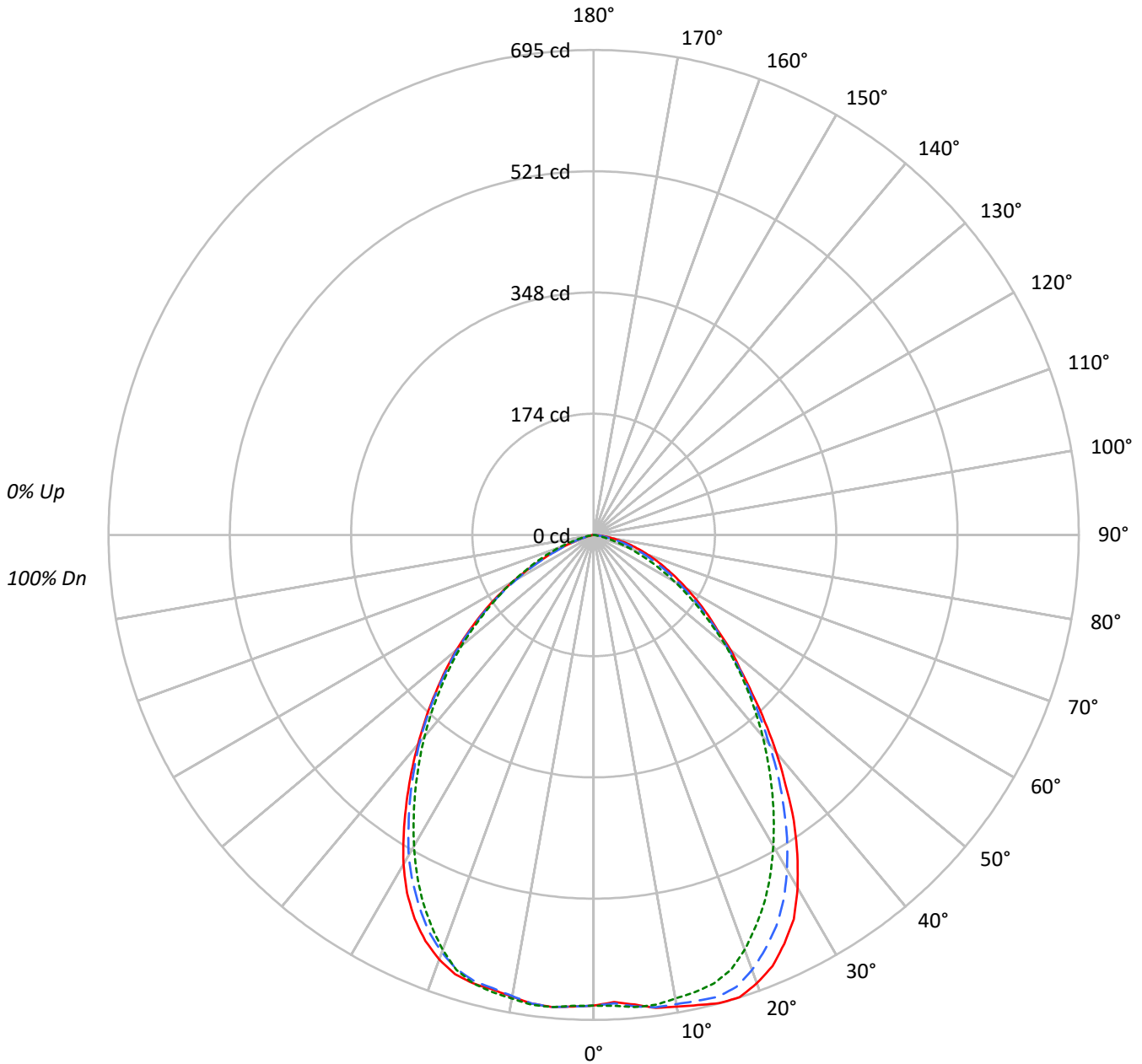
Lumens per Lamp: N/A  
Luminaire Lumens: 1361.9 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581792  
CATALOG NUMBER: HCC6S15D010BZ-HM60525930-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P581792

CATALOG NUMBER: HCC6S15D010BZ-HM60525930-61RWWC

**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°	36982	36982	36982
5°	37178	37376	37376
10°	38209	37552	37402
15°	39427	37770	37770
20°	39886	36899	37757
25°	39093	35052	36716
30°	36974	32575	34486
35°	33462	29787	31266
40°	29112	26950	27995
45°	24879	24026	24879
50°	21824	21057	21910
55°	19048	17739	18427
60°	16841	14736	14538
65°	14943	11623	9962
70°	13191	8207	6011
75°	11226	4639	2902
80°	8398	1421	852
85°	4592	566	566



TEST NUMBER: P581792  
 CATALOG NUMBER: HCC6S15D010BZ-HM60525930-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.7	4.8
10°-20°	189.3	13.9
20°-30°	276.5	20.3
30°-40°	290.0	21.3
40°-50°	244.3	17.9
50°-60°	171.2	12.6
60°-70°	91.8	6.7
70°-80°	30.8	2.3
80°-90°	3.3	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°	530.6	39.0
0°-40°	820.6	60.3
0°-60°	1236.1	90.8
0°-90°	1361.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	675	675	675	675	675	
5°	676	678	679	679	679	65
15°	695	686	666	662	666	196
25°	646	619	580	590	607	296
35°	500	474	445	458	467	310
45°	321	315	310	318	321	250
55°	199	193	186	189	193	179
65°	115	105	90	74	77	115
75°	53	41	22	14	14	56
85°	7	4	1	1	1	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581792

CATALOG NUMBER: HCC6S15D010BZ-HM60525930-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6	674.6
2.5°	670.1	670.1	671.9	673.7	675.6	675.6	676.5	677.4	676.5
5°	675.6	675.6	678.3	679.2	679.2	678.3	679.2	679.2	679.2
7.5°	683.7	681.9	682.8	681.0	679.2	678.3	677.4	677.4	677.4
10°	686.4	684.6	682.8	679.2	674.6	671.9	671.0	671.9	671.9
12.5°	690.2	688.4	683.7	676.5	671.0	666.4	665.5	667.3	667.3
15°	694.7	692.9	685.5	673.7	665.5	660.9	661.8	663.6	665.5
17.5°	694.7	691.1	679.2	663.6	653.6	649.0	652.6	657.3	660.0
20°	683.7	680.1	663.6	644.5	632.5	629.8	636.3	644.5	647.2
22.5°	669.1	661.8	642.6	619.8	607.0	607.0	616.1	626.2	629.8
25°	646.3	640.8	618.8	592.4	579.5	578.6	589.6	603.4	607.0
27.5°	620.7	613.4	589.6	562.2	548.4	549.3	561.3	575.0	578.6
30°	584.1	575.0	554.0	527.4	514.6	518.4	530.2	540.3	544.8
32.5°	543.0	534.8	515.5	490.9	479.9	483.6	493.6	502.8	506.4
35°	500.0	490.9	474.4	452.5	445.1	448.8	458.0	465.2	467.2
37.5°	451.6	445.1	433.3	416.0	410.4	415.0	422.3	426.9	428.7
40°	406.8	401.3	391.2	378.4	376.6	380.2	387.6	390.3	391.2
42.5°	362.9	358.3	352.0	342.8	342.8	346.4	352.9	354.7	355.6
45°	320.9	318.1	315.4	308.0	309.9	314.5	318.1	320.9	320.9
47.5°	284.3	285.2	281.6	276.0	277.8	282.5	285.2	287.9	287.9
50°	255.9	253.2	249.6	244.0	246.9	250.5	254.1	255.9	256.9
52.5°	223.0	222.1	219.4	213.0	214.9	216.7	220.3	223.0	223.9
55°	199.3	196.6	192.8	185.6	185.6	187.4	189.2	191.0	192.8
57.5°	176.4	173.7	168.2	159.9	159.0	159.0	158.1	159.9	162.8
60°	153.6	152.7	144.5	137.1	134.4	131.7	128.0	128.9	132.6
62.5°	133.5	131.7	124.3	115.2	109.6	105.1	100.6	99.7	103.3
65°	115.2	113.4	105.1	96.0	89.6	81.4	74.0	74.0	76.8
67.5°	98.7	95.1	87.7	77.7	69.5	59.5	52.1	53.9	54.8
70°	82.3	79.6	71.3	61.3	51.2	41.1	36.5	37.5	37.5
72.5°	67.6	64.0	55.7	45.7	35.6	26.6	24.6	23.7	23.7
75°	53.0	49.4	41.1	31.1	21.9	15.5	13.7	13.7	13.7
77.5°	38.4	35.6	28.4	19.2	11.9	7.3	6.4	5.4	5.4
80°	26.6	23.7	17.4	10.1	4.5	2.7	2.7	2.7	2.7
82.5°	15.5	12.8	8.2	4.5	1.8	0.9	0.9	0.9	0.9
85°	7.3	5.4	3.6	1.8	0.9	0.9	0.9	0.9	0.9
87.5°	0.9	0.9	0.9	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)