

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: P581800

Luminaire Tested: **HCC6S15D010MB-HM60525930-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S15D010MB-HM60525930-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

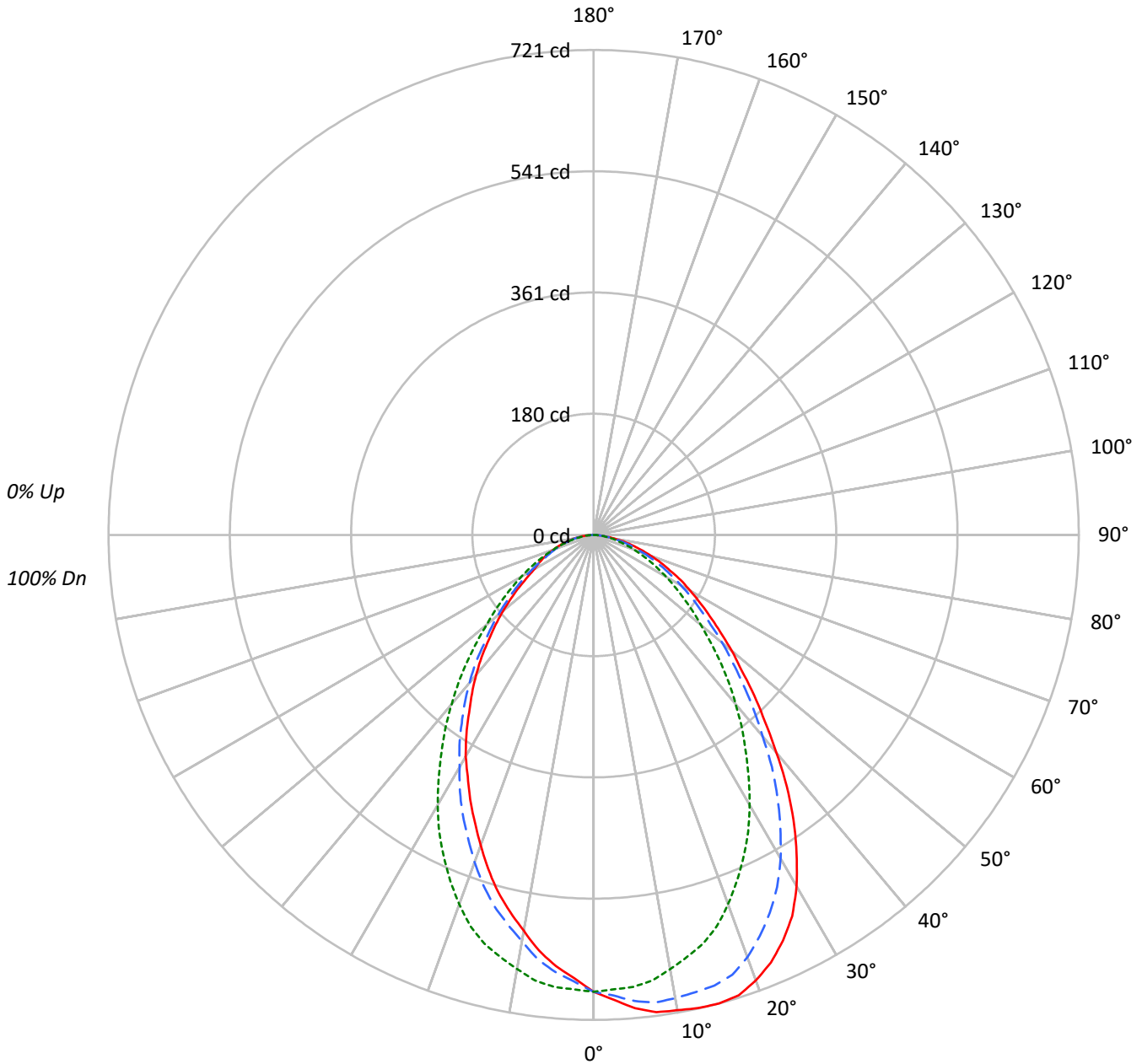
Lumens per Lamp: N/A  
Luminaire Lumens: 1265.1 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581800  
CATALOG NUMBER: HCC6S15D010MB-HM60525930-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581800

CATALOG NUMBER: HCC6S15D010MB-HM60525930-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	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	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	37234	37234	37234
5°	38878	37117	35412
10°	39940	36478	33277
15°	40931	35693	31175
20°	41111	34075	28638
25°	40254	31901	26258
30°	38189	29334	24067
35°	34680	26368	21596
40°	30221	23480	19429
45°	26150	20545	17079
50°	22848	17697	14968
55°	20176	15541	12845
60°	18145	13628	11128
65°	16240	11856	10792
70°	14506	10114	10114
75°	12581	8515	9489
80°	10102	7198	8682
85°	6919	6353	7485



TEST NUMBER: P581800  
 CATALOG NUMBER: HCC6S15D010MB-HM60525930-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.8	5.0
10°-20°	177.4	14.0
20°-30°	247.3	19.5
30°-40°	254.8	20.1
40°-50°	211.1	16.7
50°-60°	151.7	12.0
60°-70°	96.6	7.6
70°-80°	49.6	3.9
80°-90°	12.6	1.0
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°	488.5	38.6
0°-40°	743.3	58.8
0°-60°	1106.2	87.4
0°-90°	1265.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	679	679	679	679	679	
5°	706	696	674	653	644	68
15°	721	694	629	571	549	203
25°	666	620	527	460	434	305
35°	518	476	394	342	323	322
45°	337	314	265	231	220	261
55°	211	194	163	144	134	190
65°	125	112	91	80	83	125
75°	59	51	40	42	45	63
85°	11	10	10	11	12	14
90°	0	0	0	0	0	

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



TEST NUMBER: P581800

CATALOG NUMBER: HCC6S15D010MB-HM60525930-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2	679.2
2.5°	691.9	689.2	685.5	681.9	676.3	670.0	664.5	662.7	659.9
5°	706.5	702.9	695.6	686.4	674.5	662.7	652.6	646.3	643.5
7.5°	715.7	711.1	701.1	685.5	668.2	650.8	636.2	627.1	623.3
10°	717.5	713.0	699.3	678.3	655.3	631.6	613.4	602.3	597.8
12.5°	720.3	713.9	696.5	671.8	642.5	615.2	592.4	578.6	574.0
15°	721.2	713.9	693.7	663.6	628.9	596.0	571.2	554.8	549.3
17.5°	717.5	709.3	685.5	649.0	609.7	575.0	545.7	528.3	521.0
20°	704.7	695.6	668.2	627.1	584.1	547.5	517.3	499.1	490.9
22.5°	688.3	676.3	645.4	601.4	556.6	518.2	488.0	469.8	461.6
25°	665.5	654.4	619.7	573.1	527.4	487.1	459.8	440.6	434.1
27.5°	638.9	626.2	590.4	543.9	497.2	457.1	430.5	413.1	405.0
30°	603.3	591.3	555.7	509.2	463.4	426.0	398.5	383.9	380.2
32.5°	561.3	551.2	516.4	472.6	428.7	394.0	371.1	355.6	352.0
35°	518.2	506.4	476.2	435.0	394.0	362.9	341.9	328.1	322.7
37.5°	471.6	460.7	435.0	398.5	362.0	332.7	314.4	302.6	297.0
40°	422.3	414.0	390.3	361.0	328.1	302.6	287.0	276.9	271.5
42.5°	376.6	368.3	352.0	324.5	297.0	274.2	260.5	251.4	246.7
45°	337.3	329.9	313.5	289.8	265.0	245.8	231.2	224.8	220.3
47.5°	297.9	294.3	279.7	257.8	234.9	218.5	208.4	201.1	197.5
50°	267.9	263.2	249.6	226.7	207.5	194.7	185.6	179.1	175.5
52.5°	236.8	232.2	219.4	200.2	184.7	172.7	163.7	158.1	154.5
55°	211.1	207.5	193.7	176.4	162.6	152.7	144.4	138.0	134.4
57.5°	187.4	183.8	170.9	154.5	142.6	133.5	126.1	120.7	116.1
60°	165.5	162.6	149.9	134.4	124.3	115.2	108.7	104.2	101.5
62.5°	146.3	140.7	129.8	116.1	106.9	99.7	93.2	90.5	92.3
65°	125.2	122.5	111.6	99.7	91.4	84.1	79.6	81.4	83.2
67.5°	107.8	104.2	95.1	84.1	76.7	71.3	68.6	72.2	73.1
70°	90.5	86.8	78.7	69.5	63.1	59.4	59.4	62.2	63.1
72.5°	74.0	71.3	64.0	56.6	52.1	49.4	51.2	53.0	53.9
75°	59.4	56.6	51.2	44.8	40.2	40.2	42.0	43.9	44.8
77.5°	45.7	43.9	38.4	33.8	32.0	32.0	33.8	34.7	35.6
80°	32.0	30.2	27.5	24.6	22.8	24.6	26.6	26.6	27.5
82.5°	21.0	20.1	18.3	16.5	16.5	17.4	18.3	19.2	19.2
85°	11.0	11.0	10.1	9.2	10.1	11.0	11.0	11.9	11.9
87.5°	3.6	3.6	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)