

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: P581620

Luminaire Tested: **HCC6S10D010MW-HM60525840-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581620  
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: HCC6S10D010MW-HM60525840-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

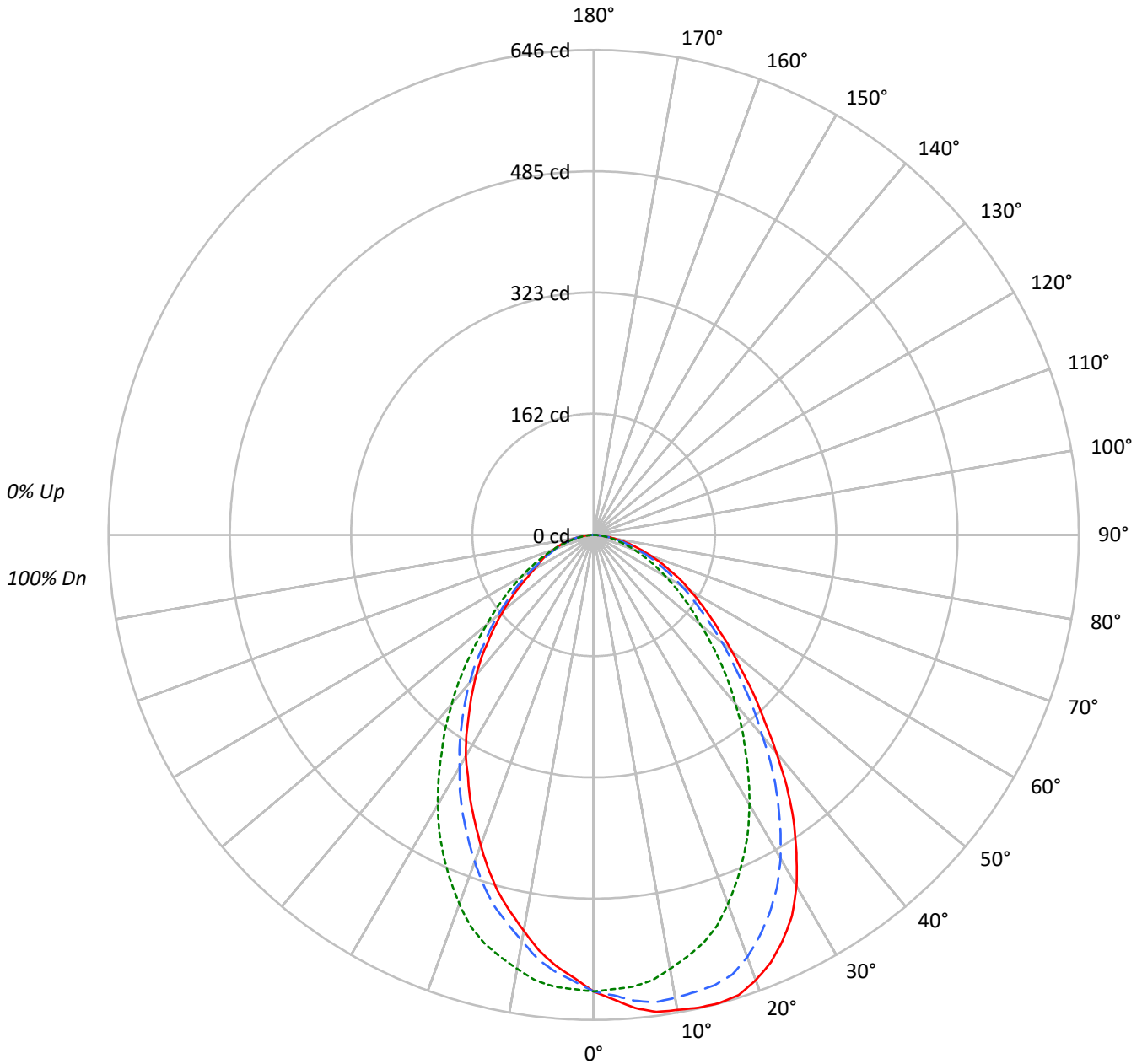
Lumens per Lamp: N/A  
Luminaire Lumens: 1132.8 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581620  
CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581620

CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WWW

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

RF	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°	33336	33336	33336
5°	34817	33238	31708
10°	35765	32665	29798
15°	36652	31958	27917
20°	36817	30511	25646
25°	36044	28568	23511
30°	34195	26270	21554
35°	31059	23604	19334
40°	27058	21032	17390
45°	23413	18405	15288
50°	20451	15846	13398
55°	18064	13925	11498
60°	16249	12203	9966
65°	14554	10611	9664
70°	12999	9056	9056
75°	11268	7625	8494
80°	9029	6472	7766
85°	6164	5724	6667



TEST NUMBER: P581620

CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.2	5.0
10°-20°	158.9	14.0
20°-30°	221.4	19.5
30°-40°	228.1	20.1
40°-50°	189.1	16.7
50°-60°	135.9	12.0
60°-70°	86.5	7.6
70°-80°	44.4	3.9
80°-90°	11.3	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°	437.4	38.6
0°-40°	665.6	58.8
0°-60°	990.5	87.4
0°-90°	1132.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	608	608	608	608	608	
5°	633	623	604	584	576	61
15°	646	621	563	512	492	182
25°	596	555	472	412	389	273
35°	464	426	353	306	289	288
45°	302	281	237	207	197	234
55°	189	174	146	129	120	170
65°	112	100	82	71	74	112
75°	53	46	36	38	40	57
85°	10	9	9	10	11	13
90°	0	0	0	0	0	

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



TEST NUMBER: P581620

CATALOG NUMBER: HCC6S10D010MW-HM60525840-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1
2.5°	619.5	617.2	613.9	610.6	605.6	600.0	595.0	593.4	590.9
5°	632.7	629.4	622.8	614.7	604.0	593.4	584.3	578.7	576.2
7.5°	640.8	636.7	627.8	613.9	598.3	582.8	569.6	561.5	558.2
10°	642.5	638.4	626.1	607.3	586.8	565.5	549.2	539.4	535.3
12.5°	644.9	639.2	623.6	601.5	575.4	550.8	530.3	518.1	514.0
15°	645.8	639.2	621.2	594.2	563.1	533.6	511.6	496.8	491.9
17.5°	642.5	635.2	613.9	581.1	546.0	514.8	488.6	473.1	466.5
20°	631.1	622.8	598.3	561.5	523.0	490.3	463.2	446.9	439.6
22.5°	616.3	605.6	577.9	538.6	498.4	464.1	437.1	420.7	413.3
25°	595.9	586.0	554.9	513.1	472.3	436.3	411.7	394.5	388.7
27.5°	572.1	560.7	528.8	487.0	445.2	409.2	385.4	369.9	362.6
30°	540.2	529.5	497.6	455.9	415.0	381.4	356.8	343.8	340.5
32.5°	502.5	493.6	462.4	423.1	383.9	352.7	332.2	318.4	315.1
35°	464.1	453.5	426.4	389.6	352.7	324.9	306.1	293.9	288.9
37.5°	422.3	412.5	389.6	356.8	324.1	297.9	281.5	270.9	266.0
40°	378.1	370.7	349.4	323.3	293.9	270.9	257.0	248.0	243.0
42.5°	337.2	329.9	315.1	290.6	266.0	245.5	233.3	225.0	221.0
45°	302.0	295.5	280.7	259.5	237.4	220.2	207.0	201.4	197.2
47.5°	266.8	263.5	250.4	230.8	210.3	195.6	186.7	180.1	176.8
50°	239.8	235.7	223.5	203.0	185.8	174.3	166.2	160.4	157.1
52.5°	212.0	207.8	196.4	179.2	165.4	154.7	146.5	141.6	138.3
55°	189.0	185.8	173.5	157.9	145.7	136.6	129.3	123.6	120.3
57.5°	167.8	164.5	153.0	138.3	127.7	119.5	113.0	108.0	103.9
60°	148.2	145.7	134.3	120.3	111.3	103.1	97.4	93.3	90.9
62.5°	131.0	126.0	116.3	103.9	95.8	89.2	83.4	81.1	82.6
65°	112.2	109.7	99.8	89.2	81.8	75.3	71.2	72.8	74.5
67.5°	96.6	93.3	85.1	75.3	68.7	63.8	61.4	64.6	65.4
70°	81.1	77.8	70.4	62.3	56.5	53.2	53.2	55.7	56.5
72.5°	66.3	63.8	57.3	50.7	46.6	44.1	45.8	47.4	48.3
75°	53.2	50.7	45.8	40.1	36.0	36.0	37.7	39.3	40.1
77.5°	41.0	39.3	34.4	30.3	28.6	28.6	30.3	31.1	31.9
80°	28.6	27.1	24.6	22.1	20.5	22.1	23.8	23.8	24.6
82.5°	18.8	18.0	16.4	14.7	14.7	15.5	16.4	17.2	17.2
85°	9.8	9.8	9.1	8.2	9.1	9.8	9.8	10.6	10.6
87.5°	3.3	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1
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)