

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: P581710

Luminaire Tested: **HCC6S15D010MW-HM60525827-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581710  
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: HCC6S15D010MW-HM60525827-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

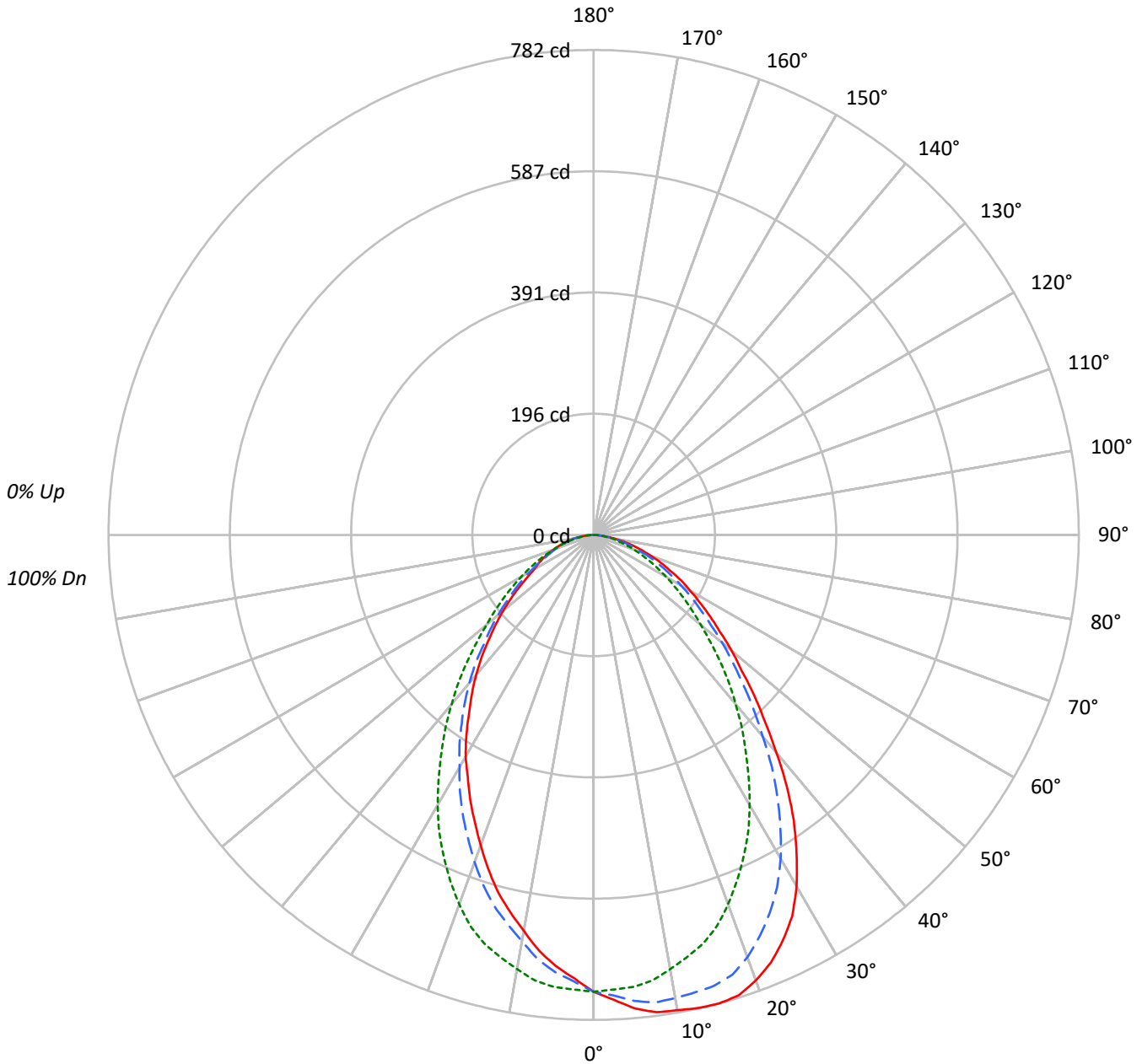
Lumens per Lamp: N/A  
Luminaire Lumens: 1372.2 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581710  
CATALOG NUMBER: HCC6S15D010MW-HM60525827-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581710

CATALOG NUMBER: HCC6S15D010MW-HM60525827-61WWW

**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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

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

	0°	90°	180°
0°	40381	40381	40381
5°	42175	40265	38411
10°	43325	39573	36094
15°	44393	38712	33820
20°	44594	36963	31059
25°	43654	34599	28483
30°	41418	31821	26112
35°	37624	28596	23416
40°	32783	25469	21068
45°	28360	22289	18521
50°	24767	19198	16230
55°	21887	16869	13925
60°	19669	14780	12071
65°	17628	12868	11700
70°	15740	10963	10963
75°	13662	9235	10294
80°	10955	7798	9376
85°	7485	6856	8114



TEST NUMBER: P581710

CATALOG NUMBER: HCC6S15D010MW-HM60525827-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.2	5.0
10°-20°	192.4	14.0
20°-30°	268.2	19.5
30°-40°	276.3	20.1
40°-50°	229.0	16.7
50°-60°	164.6	12.0
60°-70°	104.8	7.6
70°-80°	53.8	3.9
80°-90°	13.7	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°	529.9	38.6
0°-40°	806.2	58.8
0°-60°	1199.8	87.4
0°-90°	1372.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	737	737	737	737	737	
5°	766	754	732	708	698	73
15°	782	752	682	620	596	220
25°	722	672	572	499	471	331
35°	562	516	427	371	350	349
45°	366	340	288	251	239	283
55°	229	210	176	157	146	206
65°	136	121	99	86	90	136
75°	64	56	44	46	49	69
85°	12	11	11	12	13	15
90°	0	0	0	0	0	



TEST NUMBER: P581710

CATALOG NUMBER: HCC6S15D010MW-HM60525827-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6	736.6
2.5°	750.5	747.5	743.5	739.6	733.7	726.7	720.7	718.8	715.8
5°	766.4	762.4	754.4	744.6	731.7	718.8	707.9	701.0	698.0
7.5°	776.3	771.3	760.4	743.5	724.7	705.9	690.1	680.1	676.1
10°	778.3	773.3	758.4	735.6	710.9	685.1	665.2	653.3	648.4
12.5°	781.2	774.3	755.5	728.7	697.0	667.3	642.4	627.5	622.7
15°	782.2	774.3	752.5	719.8	682.1	646.4	619.6	601.8	595.9
17.5°	778.3	769.3	743.5	703.9	661.3	623.6	591.9	573.1	565.1
20°	764.4	754.4	724.7	680.1	633.6	593.8	561.1	541.3	532.4
22.5°	746.6	733.7	700.0	652.4	603.8	562.2	529.5	509.6	500.6
25°	721.7	709.8	672.1	621.6	572.0	528.5	498.7	477.8	470.9
27.5°	693.0	679.2	640.5	589.9	539.4	495.8	466.9	448.1	439.2
30°	654.3	641.5	602.8	552.2	502.7	462.1	432.3	416.4	412.5
32.5°	608.7	597.8	560.1	512.6	465.0	427.3	402.5	385.7	381.7
35°	562.2	549.2	516.5	471.9	427.3	393.6	370.8	355.9	349.9
37.5°	511.5	499.6	471.9	432.3	392.6	360.9	341.1	328.1	322.2
40°	458.1	449.1	423.4	391.6	355.9	328.1	311.3	300.4	294.4
42.5°	408.5	399.5	381.7	352.0	322.2	297.5	282.6	272.6	267.6
45°	365.8	357.9	340.0	314.3	287.5	266.7	250.8	243.9	238.9
47.5°	323.2	319.3	303.4	279.6	254.8	237.0	226.1	218.1	214.2
50°	290.4	285.6	270.7	245.8	225.1	211.2	201.2	194.3	190.3
52.5°	256.7	251.9	237.9	217.1	200.2	187.4	177.5	171.5	167.5
55°	229.0	225.1	210.2	191.4	176.5	165.6	156.6	149.7	145.7
57.5°	203.3	199.3	185.3	167.5	154.7	144.7	136.8	130.9	125.9
60°	179.4	176.5	162.6	145.7	134.8	125.0	117.9	113.0	110.1
62.5°	158.7	152.7	140.7	125.9	116.0	108.1	101.1	98.2	100.1
65°	135.9	132.9	121.0	108.1	99.2	91.3	86.3	88.2	90.2
67.5°	117.0	113.0	103.1	91.3	83.3	77.3	74.3	78.3	79.3
70°	98.2	94.2	85.2	75.4	68.4	64.5	64.5	67.4	68.4
72.5°	80.4	77.3	69.3	61.5	56.5	53.6	55.5	57.5	58.5
75°	64.5	61.5	55.5	48.6	43.6	43.6	45.6	47.6	48.6
77.5°	49.6	47.6	41.7	36.7	34.7	34.7	36.7	37.7	38.7
80°	34.7	32.7	29.7	26.8	24.7	26.8	28.7	28.7	29.7
82.5°	22.8	21.8	19.9	17.8	17.8	18.8	19.9	20.8	20.8
85°	11.9	11.9	10.9	9.9	10.9	11.9	11.9	12.9	12.9
87.5°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0
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)