

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: P581703

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

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S15D010MW-HM60525827-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

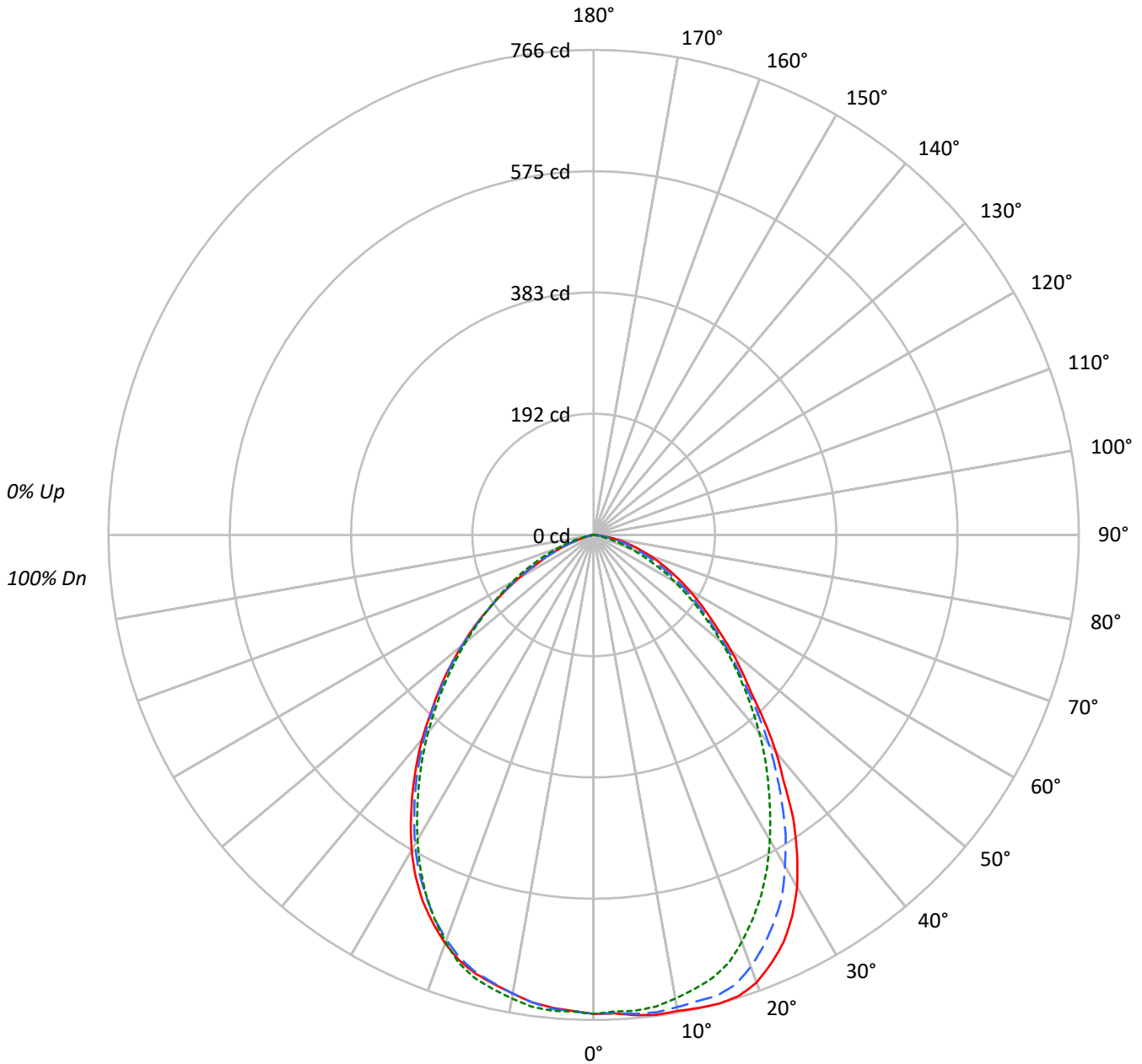
Lumens per Lamp: N/A  
Luminaire Lumens: 1482.3 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581703  
CATALOG NUMBER: HCC6S15D010MW-HM60525827-61RWWH

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581703

CATALOG NUMBER: HCC6S15D010MW-HM60525827-61RWWH

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

RF	20									20									20									20									
RC	80									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	93	92	90	88																			
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77																			
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67																			
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59																			
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	61	55	50	60	54	49	58	53	49	47																			
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	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°	41471	41471	41471
5°	41900	41514	41250
10°	42495	41388	40948
15°	43496	41130	40738
20°	43900	39909	40026
25°	42934	37895	38615
30°	40664	35208	36398
35°	36821	32177	33375
40°	32067	29083	30149
45°	27204	25747	26669
50°	24093	22490	23087
55°	21227	19230	19134
60°	19023	16194	14900
65°	16980	12985	10676
70°	14938	9377	6684
75°	12603	5676	3770
80°	9723	2494	1578
85°	5661	629	629



TEST NUMBER: P581703  
 CATALOG NUMBER: HCC6S15D010MW-HM60525827-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.8	4.8
10°-20°	206.4	13.9
20°-30°	298.3	20.1
30°-40°	313.9	21.2
40°-50°	263.9	17.8
50°-60°	185.2	12.5
60°-70°	101.9	6.9
70°-80°	36.2	2.4
80°-90°	4.7	0.3
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°	576.5	38.9
0°-40°	890.4	60.1
0°-60°	1339.5	90.4
0°-90°	1482.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1482.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	756	756	756	756	756	
5°	761	759	754	752	750	73
15°	766	754	725	716	718	216
25°	710	674	626	628	638	325
35°	550	518	481	491	499	341
45°	351	341	332	340	344	275
55°	222	210	201	201	200	200
65°	131	117	100	82	82	130
75°	60	48	27	18	18	64
85°	9	5	1	1	1	12
90°	0	0	0	0	0	



TEST NUMBER: P581703

CATALOG NUMBER: HCC6S15D010MW-HM60525827-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	756.5	756.5	756.5	756.5	756.5	756.5	756.5	756.5	756.5
2.5°	756.5	756.5	755.5	755.5	753.5	753.5	752.5	752.5	752.5
5°	761.4	761.4	759.4	756.5	754.4	751.5	751.5	750.5	749.6
7.5°	764.4	763.4	760.4	756.5	751.5	746.5	744.6	745.6	744.6
10°	763.4	761.4	757.4	749.6	743.5	736.6	735.6	734.7	735.6
12.5°	765.3	762.4	754.4	744.6	734.7	726.7	725.7	725.7	726.7
15°	766.4	763.4	753.5	738.5	724.7	716.8	715.8	716.8	717.8
17.5°	763.4	759.4	744.6	724.7	708.8	701.0	701.0	702.9	704.9
20°	752.5	746.5	725.7	701.9	684.1	678.2	680.1	684.1	686.1
22.5°	732.6	725.7	701.9	675.1	656.3	651.4	656.3	661.3	663.3
25°	709.8	701.9	674.2	646.4	626.5	620.6	627.5	635.5	638.4
27.5°	679.1	670.2	644.5	612.7	592.8	589.9	597.8	606.8	608.7
30°	642.4	632.5	603.8	574.0	556.2	555.2	564.1	572.0	575.0
32.5°	597.8	589.0	564.1	534.4	518.5	518.5	527.4	534.4	537.3
35°	550.2	540.4	518.5	493.7	480.8	481.8	490.8	495.7	498.7
37.5°	493.7	490.8	473.9	453.1	444.1	446.2	453.1	457.1	460.0
40°	448.1	440.2	429.3	412.5	406.4	408.5	415.4	419.4	421.3
42.5°	398.5	393.6	384.7	372.7	368.8	371.8	377.7	380.7	379.7
45°	350.9	349.9	341.1	334.1	332.1	336.1	340.0	343.0	344.0
47.5°	316.2	312.2	304.4	299.4	297.4	301.3	305.3	307.4	307.4
50°	282.5	278.6	270.7	265.7	263.7	267.6	270.7	272.6	270.7
52.5°	248.8	244.9	237.9	232.0	231.0	233.0	233.9	234.9	237.0
55°	222.1	218.1	210.2	203.3	201.2	202.3	201.2	201.2	200.2
57.5°	196.4	192.4	184.4	176.5	173.5	172.5	169.6	168.5	167.5
60°	173.5	168.5	160.6	151.6	147.7	143.8	138.8	135.9	135.9
62.5°	151.6	146.8	137.8	129.8	123.9	117.0	109.1	105.1	105.1
65°	130.9	126.9	117.0	108.1	100.1	91.3	82.3	80.4	82.3
67.5°	111.0	107.0	97.2	88.2	78.3	67.4	59.5	59.5	61.5
70°	93.2	89.2	80.4	69.3	58.5	47.6	41.7	41.7	41.7
72.5°	76.4	72.4	62.4	52.6	41.7	30.8	27.8	28.7	27.8
75°	59.5	56.5	47.6	36.7	26.8	18.8	17.8	16.8	17.8
77.5°	44.6	41.7	33.7	23.8	14.9	10.9	9.9	9.9	9.9
80°	30.8	27.8	21.8	13.8	7.9	5.0	5.0	5.0	5.0
82.5°	18.8	15.9	11.9	6.9	3.0	3.0	3.0	3.0	3.0
85°	9.0	6.9	5.0	1.9	1.0	1.0	1.0	1.0	1.0
87.5°	1.9	1.9	1.0	1.0	0.0	1.0	1.0	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)