

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: P581738

Luminaire Tested: **HCC6S15D010MW-HM60525835-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581738  
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: HCC6S15D010MW-HM60525835-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

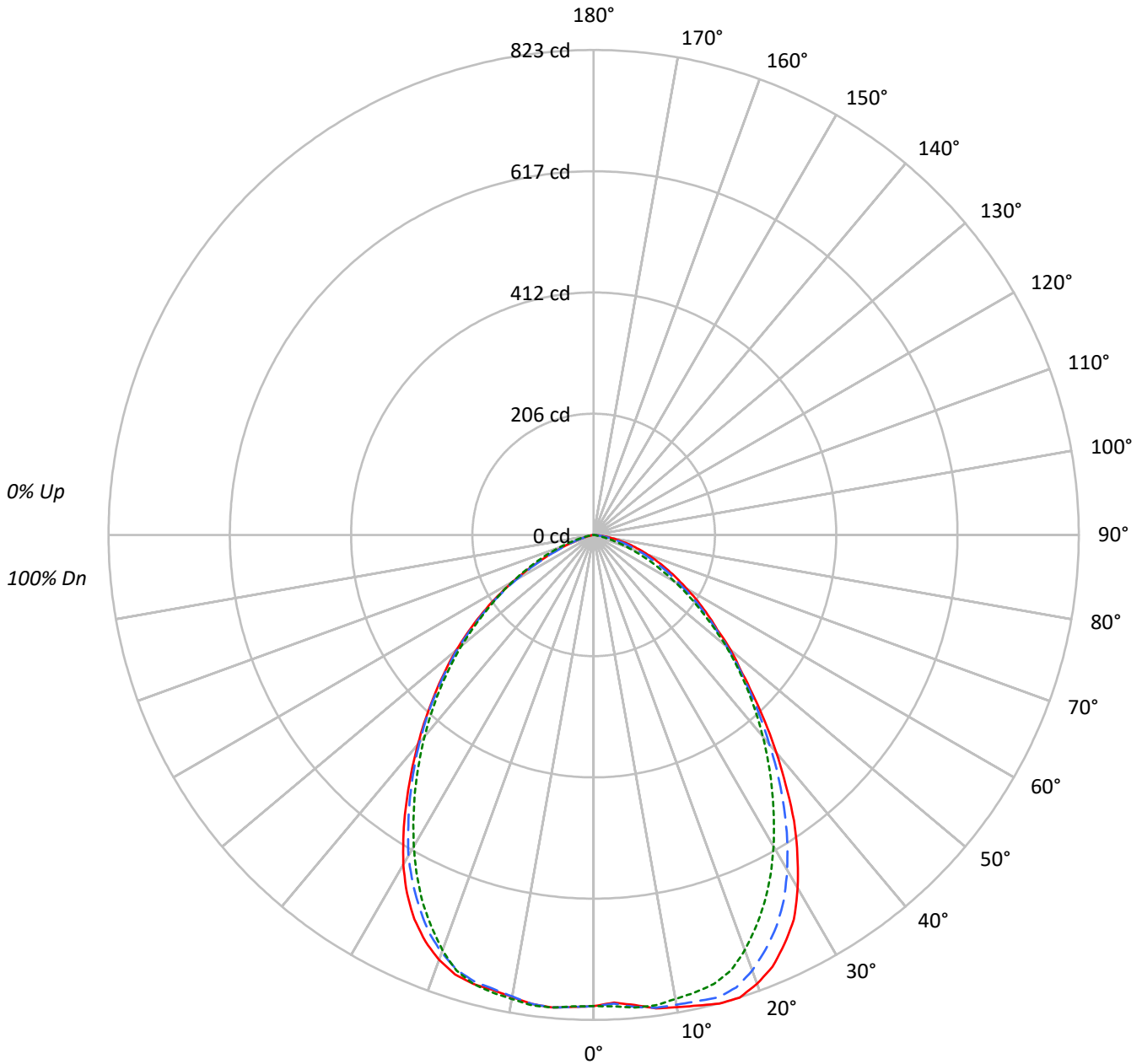
Lumens per Lamp: N/A  
Luminaire Lumens: 1614.3 lumens  
Efficiency: N/A  
Efficacy: 115.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581738  
CATALOG NUMBER: HCC6S15D010MW-HM60525835-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581738

CATALOG NUMBER: HCC6S15D010MW-HM60525835-61RWWC

**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°	43834	43834	43834
5°	44062	44304	44304
10°	45295	44510	44327
15°	46731	44768	44768
20°	47283	43742	44751
25°	46333	41549	43521
30°	43830	38620	40880
35°	39665	35315	37055
40°	34500	31946	33191
45°	29484	28476	29484
50°	25875	24946	25961
55°	22575	21027	21849
60°	19966	17455	17224
65°	17706	13776	11804
70°	15628	9729	7117
75°	13323	5507	3431
80°	9913	1705	1042
85°	5409	692	692



TEST NUMBER: P581738  
 CATALOG NUMBER: HCC6S15D010MW-HM60525835-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	4.8
10°-20°	224.4	13.9
20°-30°	327.8	20.3
30°-40°	343.7	21.3
40°-50°	289.6	17.9
50°-60°	202.9	12.6
60°-70°	108.8	6.7
70°-80°	36.5	2.3
80°-90°	4.0	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°	628.9	39.0
0°-40°	972.6	60.2
0°-60°	1465.1	90.8
0°-90°	1614.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1614.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	800	800	800	800	800	
5°	801	804	805	805	805	77
15°	823	813	789	784	789	232
25°	766	734	687	699	720	351
35°	593	562	528	543	554	368
45°	380	374	367	377	380	296
55°	236	229	220	224	229	213
65°	136	125	106	88	91	136
75°	63	49	26	16	16	67
85°	9	4	1	1	1	12
90°	0	0	0	0	0	



TEST NUMBER: P581738

CATALOG NUMBER: HCC6S15D010MW-HM60525835-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6	799.6
2.5°	794.2	794.2	796.3	798.6	800.7	800.7	801.8	802.9	801.8
5°	800.7	800.7	803.9	805.1	805.1	803.9	805.1	805.1	805.1
7.5°	810.5	808.2	809.4	807.2	805.1	803.9	802.9	802.9	802.9
10°	813.7	811.5	809.4	805.1	799.6	796.3	795.3	796.3	796.3
12.5°	818.0	815.8	810.5	801.8	795.3	789.8	788.8	791.0	791.0
15°	823.4	821.3	812.7	798.6	788.8	783.4	784.4	786.7	788.8
17.5°	823.4	819.1	805.1	786.7	774.8	769.3	773.6	779.1	782.2
20°	810.5	806.1	786.7	763.9	749.8	746.5	754.1	763.9	767.1
22.5°	793.1	784.4	761.7	734.6	719.5	719.5	730.3	742.2	746.5
25°	766.0	759.5	733.6	702.1	686.9	685.9	698.8	715.0	719.5
27.5°	735.7	727.1	698.8	666.4	650.1	651.1	665.2	681.6	685.9
30°	692.4	681.6	656.6	625.2	610.1	614.4	628.4	640.4	645.8
32.5°	643.5	633.9	611.1	581.8	568.9	573.2	585.1	595.9	600.3
35°	592.7	581.8	562.3	536.3	527.7	532.0	542.9	551.5	553.7
37.5°	535.3	527.7	513.6	493.0	486.5	491.9	500.5	506.0	508.1
40°	482.1	475.7	463.8	448.6	446.4	450.7	459.4	462.6	463.8
42.5°	430.2	424.7	417.1	406.3	406.3	410.6	418.2	420.4	421.4
45°	380.3	377.0	373.8	365.1	367.3	372.7	377.0	380.3	380.3
47.5°	337.0	338.0	333.7	327.2	329.4	334.8	338.0	341.3	341.3
50°	303.4	300.1	295.8	289.3	292.5	296.9	301.2	303.4	304.4
52.5°	264.3	263.3	260.0	252.4	254.6	256.7	261.2	264.3	265.5
55°	236.2	232.9	228.6	220.0	220.0	222.1	224.3	226.4	228.6
57.5°	209.1	205.9	199.4	189.7	188.5	188.5	187.4	189.7	192.8
60°	182.1	180.9	171.2	162.5	159.2	156.1	151.6	152.8	157.1
62.5°	158.2	156.1	147.3	136.5	130.1	124.6	119.2	118.2	122.5
65°	136.5	134.4	124.6	113.7	106.2	96.5	87.7	87.7	91.0
67.5°	117.0	112.7	104.0	92.0	82.4	70.5	61.7	63.9	65.0
70°	97.5	94.3	84.6	72.6	60.7	48.8	43.4	44.4	44.4
72.5°	80.1	75.8	66.1	54.1	42.2	31.4	29.3	28.1	28.1
75°	62.9	58.5	48.8	36.9	26.0	18.4	16.2	16.2	16.2
77.5°	45.5	42.2	33.6	22.7	14.1	8.6	7.6	6.5	6.5
80°	31.4	28.1	20.5	11.9	5.4	3.3	3.3	3.3	3.3
82.5°	18.4	15.2	9.8	5.4	2.2	1.1	1.1	1.1	1.1
85°	8.6	6.5	4.3	2.2	1.1	1.1	1.1	1.1	1.1
87.5°	1.1	1.1	1.1	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)