

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: P581637

Luminaire Tested: **HCC6W10D010MW-HM60525927-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581637  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W10D010MW-HM60525927-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

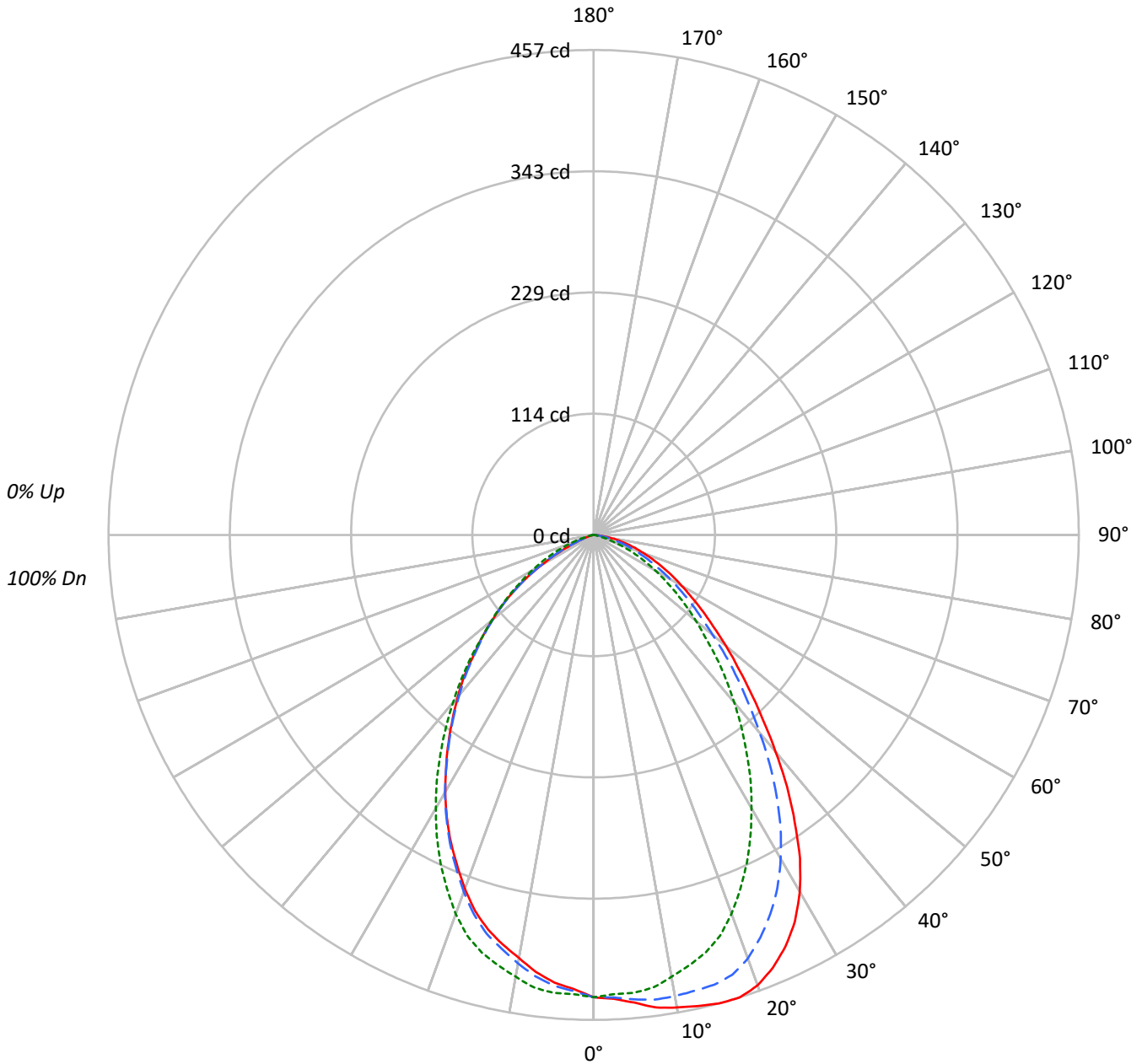
Lumens per Lamp: N/A  
Luminaire Lumens: 776.4 lumens  
Efficiency: N/A  
Efficacy: 78.4 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581637  
CATALOG NUMBER: HCC6W10D010MW-HM60525927-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P581637

CATALOG NUMBER: HCC6W10D010MW-HM60525927-61WWBB

**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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89								
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78								
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69								
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	67	63	61								
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54								
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49								
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44								
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40								
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37								
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34								

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

	0°	90°	180°
0°	23885	23885	23885
5°	24351	23839	23305
10°	25172	23536	22545
15°	25942	23127	21845
20°	26351	22163	20698
25°	25876	20644	19277
30°	24592	18819	17693
35°	22105	16818	15954
40°	19079	14735	14248
45°	16157	12683	12358
50°	13850	10720	10609
55°	12014	9022	8669
60°	10493	7324	6184
65°	9223	5643	3424
70°	7950	3735	1667
75°	6757	1822	657
80°	5209	789	379
85°	3082	377	377



TEST NUMBER: P581637  
 CATALOG NUMBER: HCC6W10D010MW-HM60525927-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.1	5.3
10°-20°	116.3	15.0
20°-30°	163.7	21.1
30°-40°	167.3	21.5
40°-50°	134.9	17.4
50°-60°	90.5	11.7
60°-70°	45.8	5.9
70°-80°	14.6	1.9
80°-90°	2.2	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°	321.1	41.4
0°-40°	488.4	62.9
0°-60°	713.8	91.9
0°-90°	776.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	436	436	436	436	436	
5°	442	439	433	426	424	43
15°	457	439	408	389	385	129
25°	428	394	341	320	319	196
35°	330	300	251	237	238	206
45°	208	192	164	158	159	162
55°	126	112	94	90	91	113
65°	71	59	44	29	26	71
75°	32	23	9	3	3	34
85°	5	2	1	1	1	7
90°	0	0	0	0	0	

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



TEST NUMBER: P581637

CATALOG NUMBER: HCC6W10D010MW-HM60525927-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7	435.7
2.5°	437.5	437.0	436.3	435.1	433.2	431.4	430.2	428.9	428.3
5°	442.5	441.3	439.4	437.0	433.2	428.9	426.5	424.0	423.5
7.5°	449.2	446.7	441.8	436.3	430.2	424.0	419.7	417.4	415.4
10°	452.2	447.9	441.3	432.1	422.8	415.4	410.0	406.3	405.0
12.5°	454.7	449.9	440.0	427.8	415.4	405.7	399.6	396.5	395.3
15°	457.1	452.2	438.8	422.8	407.5	395.9	389.2	386.1	384.9
17.5°	457.1	450.4	434.5	414.3	395.9	381.8	375.0	372.0	371.4
20°	451.7	444.3	424.7	400.7	379.9	364.1	357.9	356.0	354.8
22.5°	441.3	432.7	410.6	383.6	361.0	345.6	338.9	337.7	336.4
25°	427.8	419.2	394.0	365.2	341.3	326.0	320.5	319.2	318.7
27.5°	410.6	401.4	375.0	345.6	319.9	305.2	300.3	300.3	299.6
30°	388.5	378.1	352.4	323.0	297.3	283.7	280.1	280.1	279.5
32.5°	361.6	351.1	327.8	299.6	275.2	261.0	258.0	259.2	258.7
35°	330.3	321.7	300.3	272.7	251.3	238.4	237.2	238.4	238.4
37.5°	299.1	291.0	272.7	248.8	228.6	216.9	216.9	218.8	218.1
40°	266.6	260.5	243.3	222.4	205.9	198.0	196.7	198.6	199.1
42.5°	235.9	231.0	216.3	199.1	184.4	176.5	178.3	179.5	180.2
45°	208.4	203.4	191.8	174.0	163.6	158.1	158.1	160.0	159.4
47.5°	183.8	180.2	168.6	151.3	142.2	139.7	140.9	142.2	142.2
50°	162.4	156.9	145.8	132.3	125.7	122.6	123.8	124.4	124.4
52.5°	142.2	138.4	127.5	115.2	109.1	107.2	107.2	107.9	107.9
55°	125.7	121.4	111.5	99.3	94.4	91.9	90.1	89.4	90.7
57.5°	109.7	106.1	96.8	85.1	79.7	77.2	73.6	72.3	73.6
60°	95.7	92.5	83.3	72.3	66.8	61.9	57.6	55.1	56.4
62.5°	83.3	79.7	70.5	61.2	55.1	49.6	42.9	39.2	41.1
65°	71.1	68.0	58.9	49.6	43.5	36.8	28.8	26.4	26.4
67.5°	60.1	56.9	48.4	40.4	33.1	25.1	17.8	17.2	17.8
70°	49.6	46.5	39.2	31.2	23.3	15.3	10.4	10.4	10.4
72.5°	41.1	37.4	30.7	22.6	14.7	7.9	5.5	6.1	6.1
75°	31.9	28.8	22.6	15.3	8.6	3.6	3.1	3.1	3.1
77.5°	23.9	21.4	16.0	9.8	4.3	1.2	1.2	1.2	1.2
80°	16.5	14.2	10.4	6.1	2.5	1.2	1.2	1.2	1.2
82.5°	9.8	8.6	6.1	3.1	1.2	0.6	0.6	0.6	0.6
85°	4.9	4.3	2.5	1.2	0.6	0.6	0.6	0.6	0.6
87.5°	1.2	1.2	0.6	0.6	0.0	0.6	0.6	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)