

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: P593083

Luminaire Tested: **HCC6W10D010SL-HM60525950-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593083  
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: HCC6W10D010SL-HM60525950-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

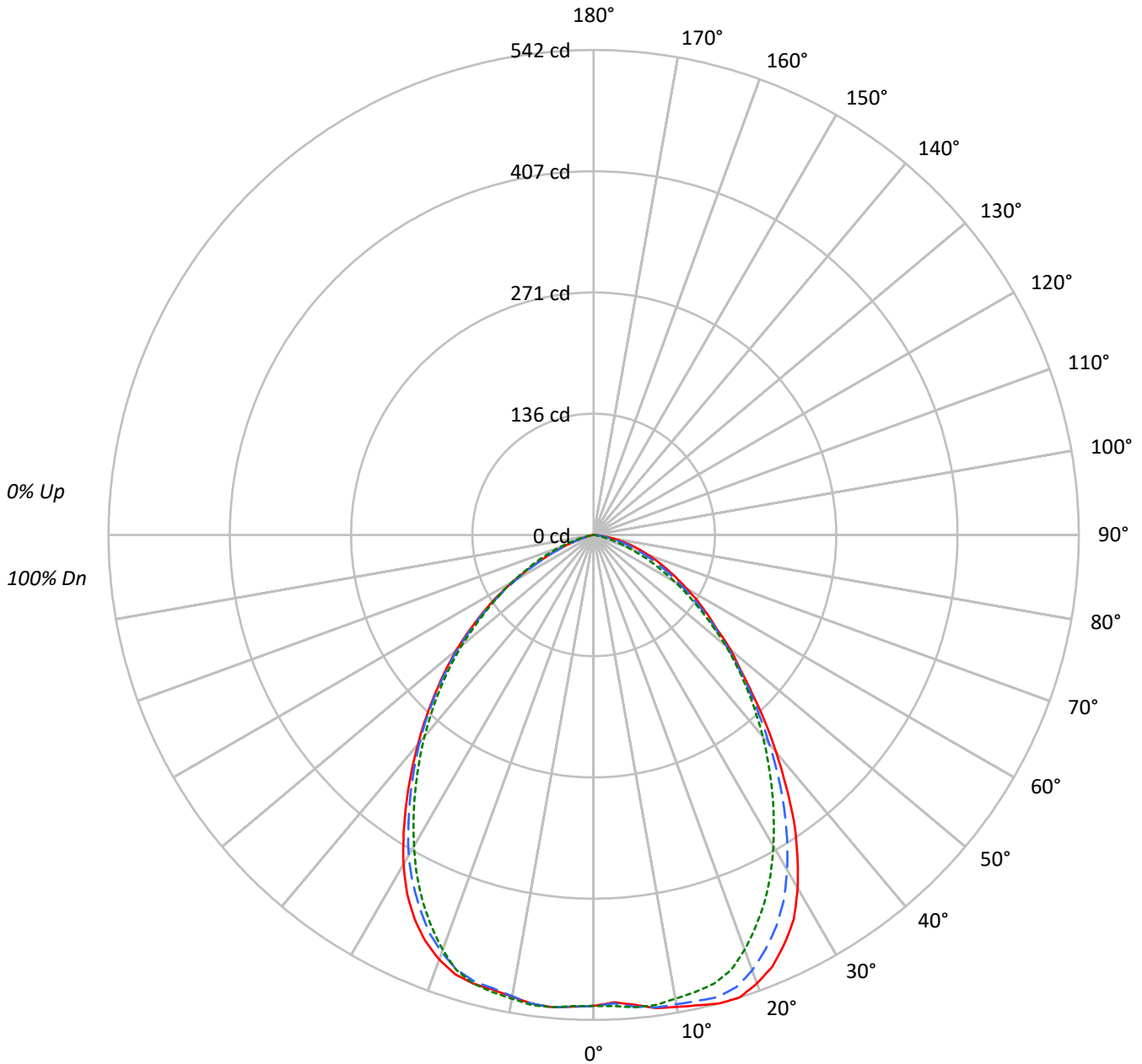
Lumens per Lamp: N/A  
Luminaire Lumens: 1062.5 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P593083  
CATALOG NUMBER: HCC6W10D010SL-HM60525950-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P593083

CATALOG NUMBER: HCC6W10D010SL-HM60525950-61RWWC

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

RF	20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88				88
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77				77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	69	68				68
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60				60
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				53
6	76	64	56	50	74	63	56	50	62	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	45	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				32

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

	0°	90°	180°
0°	28852	28852	28852
5°	29006	29160	29160
10°	29809	29297	29174
15°	30761	29461	29461
20°	31118	28784	29455
25°	30498	27346	28641
30°	28846	25415	26909
35°	26107	23242	24387
40°	22707	21032	21841
45°	19405	18746	19405
50°	17031	16426	17091
55°	14853	13839	14375
60°	13135	11490	11337
65°	11661	9054	7770
70°	10290	6411	4680
75°	8748	3622	2245
80°	6535	1105	695
85°	3585	440	440



TEST NUMBER: P593083  
 CATALOG NUMBER: HCC6W10D010SL-HM60525950-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.5	4.8
10°-20°	147.7	13.9
20°-30°	215.7	20.3
30°-40°	226.2	21.3
40°-50°	190.6	17.9
50°-60°	133.5	12.6
60°-70°	71.6	6.7
70°-80°	24.0	2.3
80°-90°	2.6	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°	413.9	39.0
0°-40°	640.2	60.3
0°-60°	964.3	90.8
0°-90°	1062.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1062.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	526	526	526	526	526	
5°	527	529	530	530	530	51
15°	542	535	519	516	519	153
25°	504	483	452	460	474	231
35°	390	370	347	357	364	242
45°	250	246	242	248	250	195
55°	155	150	145	148	150	140
65°	90	82	70	58	60	90
75°	41	32	17	11	11	44
85°	6	3	1	1	1	8
90°	0	0	0	0	0	

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



TEST NUMBER: P593083

CATALOG NUMBER: HCC6W10D010SL-HM60525950-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	526.3	526.3	526.3	526.3	526.3	526.3	526.3	526.3	526.3
2.5°	522.8	522.8	524.1	525.6	527.1	527.1	527.7	528.4	527.7
5°	527.1	527.1	529.1	529.9	529.9	529.1	529.9	529.9	529.9
7.5°	533.4	532.0	532.7	531.2	529.9	529.1	528.4	528.4	528.4
10°	535.5	534.2	532.7	529.9	526.3	524.1	523.4	524.1	524.1
12.5°	538.4	537.0	533.4	527.7	523.4	519.9	519.1	520.6	520.6
15°	542.0	540.5	534.9	525.6	519.1	515.6	516.3	517.8	519.1
17.5°	542.0	539.2	529.9	517.8	509.9	506.3	509.2	512.8	514.8
20°	533.4	530.6	517.8	502.7	493.4	491.4	496.4	502.7	504.9
22.5°	522.0	516.3	501.4	483.5	473.5	473.5	480.6	488.5	491.4
25°	504.2	499.9	482.8	462.1	452.1	451.4	459.9	470.7	473.5
27.5°	484.3	478.5	459.9	438.5	427.9	428.6	437.9	448.6	451.4
30°	455.7	448.6	432.2	411.5	401.5	404.4	413.6	421.4	425.1
32.5°	423.6	417.1	402.2	383.0	374.4	377.3	385.1	392.2	395.1
35°	390.1	383.0	370.2	353.0	347.3	350.1	357.3	363.0	364.4
37.5°	352.3	347.3	338.0	324.4	320.2	323.8	329.5	333.0	334.5
40°	317.3	313.1	305.2	295.2	293.9	296.7	302.4	304.5	305.2
42.5°	283.1	279.6	274.5	267.4	267.4	270.3	275.3	276.7	277.5
45°	250.3	248.1	246.0	240.3	241.8	245.3	248.1	250.3	250.3
47.5°	221.8	222.6	219.6	215.4	216.8	220.4	222.6	224.6	224.6
50°	199.7	197.5	194.7	190.4	192.6	195.4	198.2	199.7	200.4
52.5°	174.0	173.3	171.2	166.2	167.5	169.0	171.8	174.0	174.7
55°	155.4	153.3	150.4	144.8	144.8	146.1	147.6	149.1	150.4
57.5°	137.7	135.5	131.2	124.7	124.1	124.1	123.4	124.7	126.9
60°	119.8	119.1	112.6	107.0	104.8	102.7	99.8	100.5	103.4
62.5°	104.1	102.7	97.0	89.9	85.6	82.0	78.4	77.8	80.6
65°	89.9	88.4	82.0	74.8	69.8	63.5	57.7	57.7	59.9
67.5°	77.0	74.1	68.5	60.6	54.2	46.3	40.6	42.1	42.8
70°	64.2	62.0	55.6	47.8	40.0	32.0	28.5	29.2	29.2
72.5°	52.8	49.9	43.5	35.7	27.8	20.7	19.2	18.6	18.6
75°	41.3	38.5	32.0	24.2	17.1	12.1	10.6	10.6	10.6
77.5°	30.0	27.8	22.1	14.9	9.3	5.7	5.0	4.3	4.3
80°	20.7	18.6	13.6	7.8	3.5	2.2	2.2	2.2	2.2
82.5°	12.1	10.0	6.5	3.5	1.5	0.7	0.7	0.7	0.7
85°	5.7	4.3	2.8	1.5	0.7	0.7	0.7	0.7	0.7
87.5°	0.7	0.7	0.7	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)