

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: P582915

Luminaire Tested: **HCC6W05D010SL-HM60525840-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582915  
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: HCC6W05D010SL-HM60525840-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

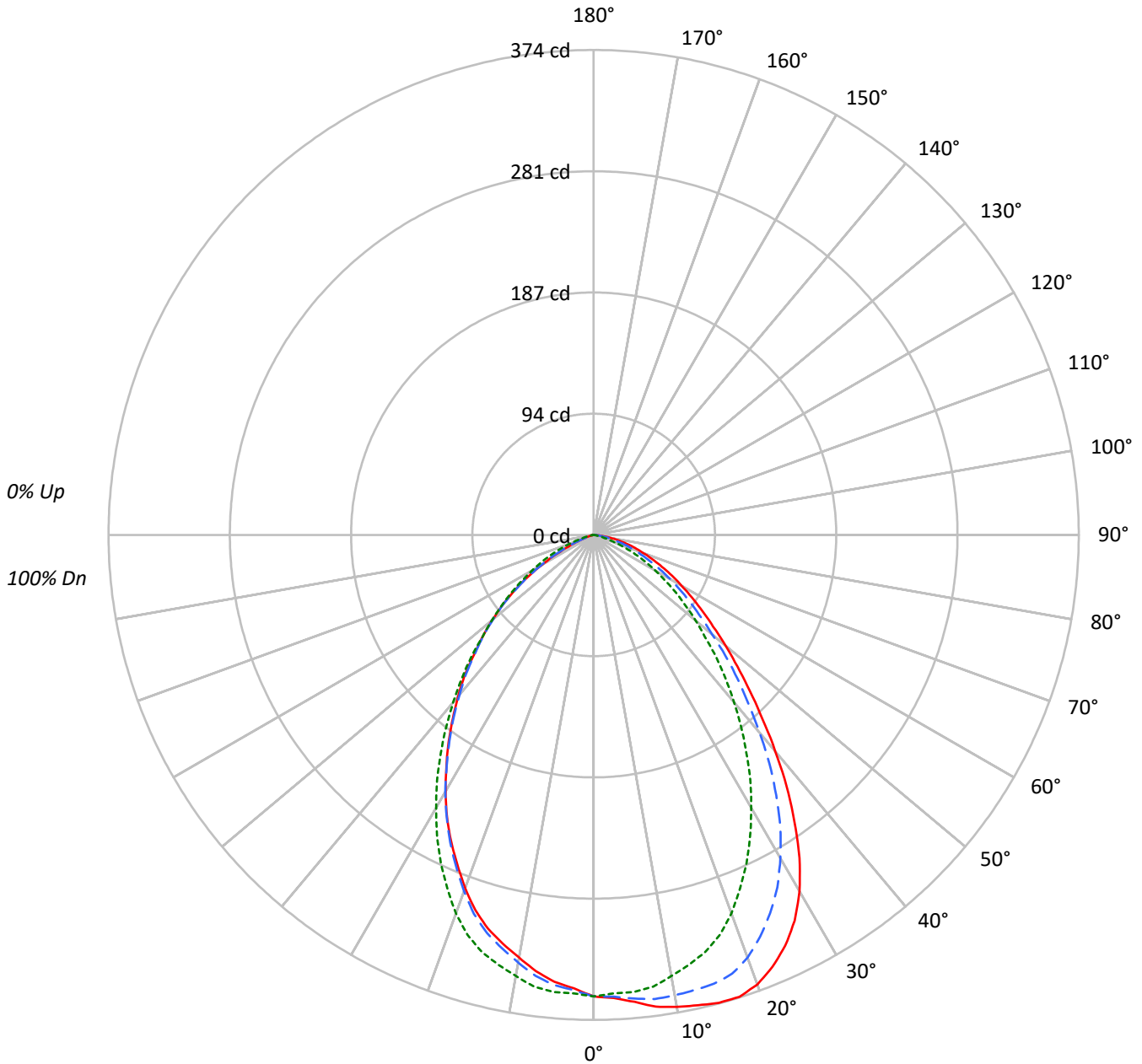
Lumens per Lamp: N/A  
Luminaire Lumens: 634.4 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
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: P582915  
CATALOG NUMBER: HCC6W05D010SL-HM60525840-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582915

CATALOG NUMBER: HCC6W05D010SL-HM60525840-61WWBB

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

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

	0°	90°	180°
0°	19510	19510	19510
5°	19893	19475	19040
10°	20569	19227	18425
15°	21198	18893	17843
20°	21521	18108	16906
25°	21140	16870	15751
30°	20092	15369	14452
35°	18056	13739	13037
40°	15586	12044	11643
45°	13195	10365	10094
50°	11317	8750	8665
55°	9806	7369	7082
60°	8563	5986	5054
65°	7536	4618	2802
70°	6508	3045	1362
75°	5507	1483	530
80°	4293	631	316
85°	2516	314	314



TEST NUMBER: P582915  
 CATALOG NUMBER: HCC6W05D010SL-HM60525840-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	5.3
10°-20°	95.0	15.0
20°-30°	133.8	21.1
30°-40°	136.7	21.5
40°-50°	110.2	17.4
50°-60°	73.9	11.7
60°-70°	37.4	5.9
70°-80°	12.0	1.9
80°-90°	1.8	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°	262.4	41.4
0°-40°	399.0	62.9
0°-60°	583.2	91.9
0°-90°	634.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	634.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	356	356	356	356	356	
5°	362	359	354	348	346	35
15°	374	358	333	318	314	105
25°	350	322	279	262	260	160
35°	270	245	205	194	195	168
45°	170	157	134	129	130	132
55°	103	91	77	74	74	92
65°	58	48	36	24	22	58
75°	26	18	7	2	2	28
85°	4	2	0	0	0	5
90°	0	0	0	0	0	

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



TEST NUMBER: P582915

CATALOG NUMBER: HCC6W05D010SL-HM60525840-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9
2.5°	357.5	357.0	356.5	355.5	353.9	352.4	351.4	350.4	350.0
5°	361.5	360.5	359.0	357.0	353.9	350.4	348.5	346.5	346.0
7.5°	367.0	365.0	361.0	356.5	351.4	346.5	343.0	340.9	339.5
10°	369.5	366.0	360.5	353.0	345.4	339.5	334.9	332.0	331.0
12.5°	371.5	367.5	359.5	349.5	339.5	331.4	326.5	324.0	323.0
15°	373.5	369.5	358.4	345.4	332.9	323.4	317.9	315.4	314.4
17.5°	373.5	368.0	354.9	338.4	323.4	311.9	306.5	303.9	303.4
20°	368.9	363.0	346.9	327.5	310.4	297.4	292.4	290.9	289.8
22.5°	360.5	353.5	335.5	313.5	294.9	282.4	276.8	275.8	274.8
25°	349.5	342.5	321.9	298.4	278.9	266.3	261.8	260.8	260.4
27.5°	335.5	327.9	306.5	282.4	261.4	249.3	245.3	245.3	244.9
30°	317.4	308.9	287.9	263.9	242.8	231.8	228.8	228.8	228.3
32.5°	295.4	286.9	267.8	244.9	224.8	213.2	210.7	211.8	211.3
35°	269.8	262.8	245.3	222.8	205.3	194.8	193.8	194.8	194.8
37.5°	244.3	237.9	222.8	203.3	186.8	177.2	177.2	178.8	178.2
40°	217.8	212.8	198.8	181.7	168.3	161.7	160.7	162.3	162.7
42.5°	192.8	188.7	176.7	162.7	150.7	144.2	145.7	146.7	147.2
45°	170.2	166.2	156.7	142.2	133.7	129.2	129.2	130.6	130.2
47.5°	150.2	147.2	137.6	123.6	116.2	114.1	115.1	116.2	116.2
50°	132.7	128.1	119.2	108.1	102.6	100.1	101.1	101.6	101.6
52.5°	116.2	113.1	104.2	94.1	89.2	87.6	87.6	88.1	88.1
55°	102.6	99.1	91.1	81.1	77.1	75.1	73.6	73.1	74.1
57.5°	89.6	86.7	79.1	69.6	65.1	63.1	60.1	59.1	60.1
60°	78.1	75.6	68.1	59.1	54.6	50.5	47.0	45.1	46.1
62.5°	68.1	65.1	57.6	50.1	45.1	40.6	35.0	32.1	33.6
65°	58.1	55.6	48.0	40.6	35.6	30.1	23.5	21.6	21.6
67.5°	49.0	46.6	39.6	33.0	27.0	20.6	14.5	14.0	14.5
70°	40.6	38.1	32.1	25.5	19.0	12.5	8.5	8.5	8.5
72.5°	33.6	30.5	25.1	18.5	12.0	6.6	4.5	5.0	5.0
75°	26.0	23.5	18.5	12.5	7.0	3.1	2.5	2.5	2.5
77.5°	19.5	17.5	13.0	8.0	3.5	1.0	1.0	1.0	1.0
80°	13.6	11.5	8.5	5.0	2.0	1.0	1.0	1.0	1.0
82.5°	8.0	7.0	5.0	2.5	1.0	0.5	0.5	0.5	0.5
85°	4.0	3.5	2.0	1.0	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	0.5	0.5	0.0	0.5	0.5	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)