

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: P582872

Luminaire Tested: **HCC6S05D010SL-HM60525830-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582872  
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: HCC6S05D010SL-HM60525830-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

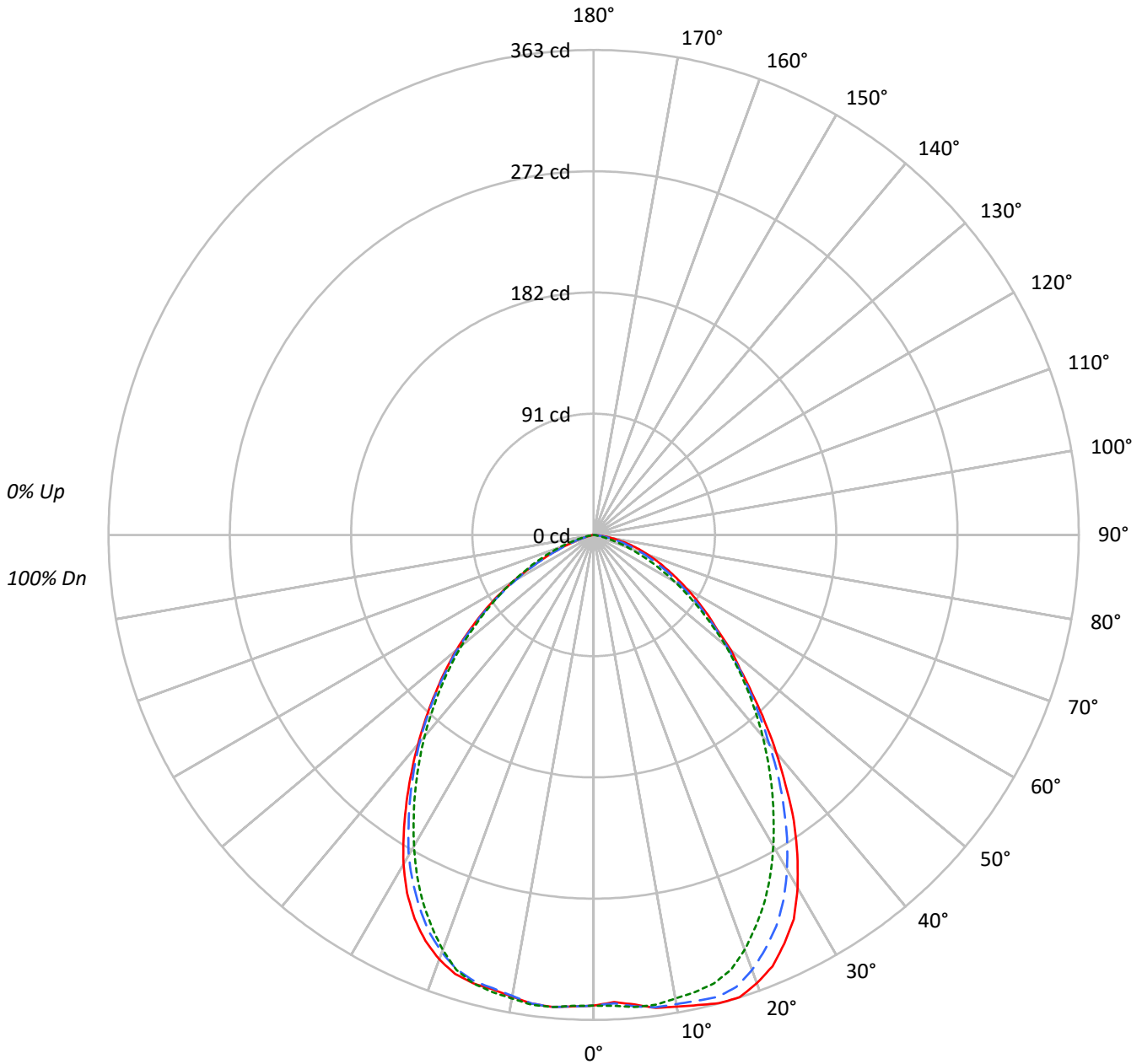
Lumens per Lamp: N/A  
Luminaire Lumens: 711.3 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P582872  
CATALOG NUMBER: HCC6S05D010SL-HM60525830-61RWWC

### Luminous Intensity Polar Plot





TEST NUMBER: P582872

CATALOG NUMBER: HCC6S05D010SL-HM60525830-61RWWC

**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	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	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°	19313	19313	19313
5°	19414	19519	19519
10°	19956	19611	19533
15°	20590	19728	19728
20°	20833	19275	19718
25°	20414	18310	19174
30°	19313	17015	18009
35°	17474	15566	16329
40°	15200	14076	14620
45°	12994	12544	12994
50°	11403	10993	11437
55°	9949	9271	9625
60°	8793	7697	7598
65°	7796	6071	5202
70°	6876	4296	3126
75°	5867	2415	1504
80°	4388	758	474
85°	2390	314	314



TEST NUMBER: P582872

CATALOG NUMBER: HCC6S05D010SL-HM60525830-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.8	4.8
10°-20°	98.9	13.9
20°-30°	144.4	20.3
30°-40°	151.5	21.3
40°-50°	127.6	17.9
50°-60°	89.4	12.6
60°-70°	47.9	6.7
70°-80°	16.1	2.3
80°-90°	1.8	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°	277.1	39.0
0°-40°	428.6	60.2
0°-60°	645.6	90.8
0°-90°	711.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	711.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	352	352	352	352	352	
5°	353	354	355	355	355	34
15°	363	358	348	346	348	102
25°	338	323	303	308	317	155
35°	261	248	233	239	244	162
45°	168	165	162	166	168	131
55°	104	101	97	99	101	94
65°	60	55	47	39	40	60
75°	28	22	11	7	7	29
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: P582872

CATALOG NUMBER: HCC6S05D010SL-HM60525830-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	352.3	352.3	352.3	352.3	352.3	352.3	352.3	352.3	352.3
2.5°	350.0	350.0	350.9	351.9	352.8	352.8	353.2	353.8	353.2
5°	352.8	352.8	354.3	354.7	354.7	354.3	354.7	354.7	354.7
7.5°	357.1	356.2	356.6	355.7	354.7	354.3	353.8	353.8	353.8
10°	358.5	357.5	356.6	354.7	352.3	350.9	350.4	350.9	350.9
12.5°	360.5	359.5	357.1	353.2	350.4	348.0	347.6	348.5	348.5
15°	362.8	361.8	358.1	351.9	347.6	345.2	345.7	346.6	347.6
17.5°	362.8	360.9	354.7	346.6	341.4	339.0	340.9	343.3	344.6
20°	357.1	355.2	346.6	336.6	330.4	328.9	332.3	336.6	338.0
22.5°	349.5	345.7	335.6	323.6	317.0	317.0	321.8	327.0	328.9
25°	337.5	334.7	323.2	309.4	302.7	302.2	307.9	315.0	317.0
27.5°	324.2	320.4	307.9	293.6	286.5	286.9	293.1	300.2	302.2
30°	305.1	300.2	289.3	275.5	268.8	270.7	276.8	282.2	284.5
32.5°	283.6	279.3	269.3	256.4	250.6	252.6	257.8	262.6	264.5
35°	261.1	256.4	247.8	236.3	232.6	234.4	239.2	243.0	244.0
37.5°	235.8	232.6	226.3	217.2	214.4	216.7	220.6	222.9	223.9
40°	212.4	209.6	204.3	197.6	196.7	198.7	202.4	203.9	204.3
42.5°	189.5	187.1	183.9	179.0	179.0	180.9	184.3	185.2	185.7
45°	167.6	166.1	164.8	160.9	161.8	164.2	166.1	167.6	167.6
47.5°	148.5	148.9	147.0	144.2	145.1	147.5	148.9	150.4	150.4
50°	133.7	132.2	130.3	127.5	128.9	130.9	132.8	133.7	134.1
52.5°	116.5	116.1	114.6	111.2	112.2	113.1	115.0	116.5	117.0
55°	104.1	102.6	100.7	97.0	97.0	97.9	98.9	99.8	100.7
57.5°	92.1	90.7	87.8	83.5	83.1	83.1	82.6	83.5	85.0
60°	80.2	79.8	75.5	71.6	70.2	68.7	66.8	67.3	69.3
62.5°	69.7	68.7	65.0	60.1	57.3	54.9	52.5	52.1	53.9
65°	60.1	59.2	54.9	50.2	46.8	42.5	38.6	38.6	40.1
67.5°	51.5	49.6	45.9	40.6	36.3	31.1	27.2	28.1	28.6
70°	42.9	41.6	37.3	32.0	26.8	21.5	19.1	19.5	19.5
72.5°	35.4	33.4	29.2	23.8	18.6	13.9	12.9	12.4	12.4
75°	27.7	25.8	21.5	16.3	11.4	8.1	7.1	7.1	7.1
77.5°	20.0	18.6	14.8	10.1	6.2	3.8	3.4	2.8	2.8
80°	13.9	12.4	9.0	5.2	2.4	1.5	1.5	1.5	1.5
82.5°	8.1	6.7	4.3	2.4	0.9	0.5	0.5	0.5	0.5
85°	3.8	2.8	1.9	0.9	0.5	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.5	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)