

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: P582944

Luminaire Tested: **HCC6W05D010SL-HM60525930-61RWWC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582944  
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: HCC6W05D010SL-HM60525930-61RWWC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

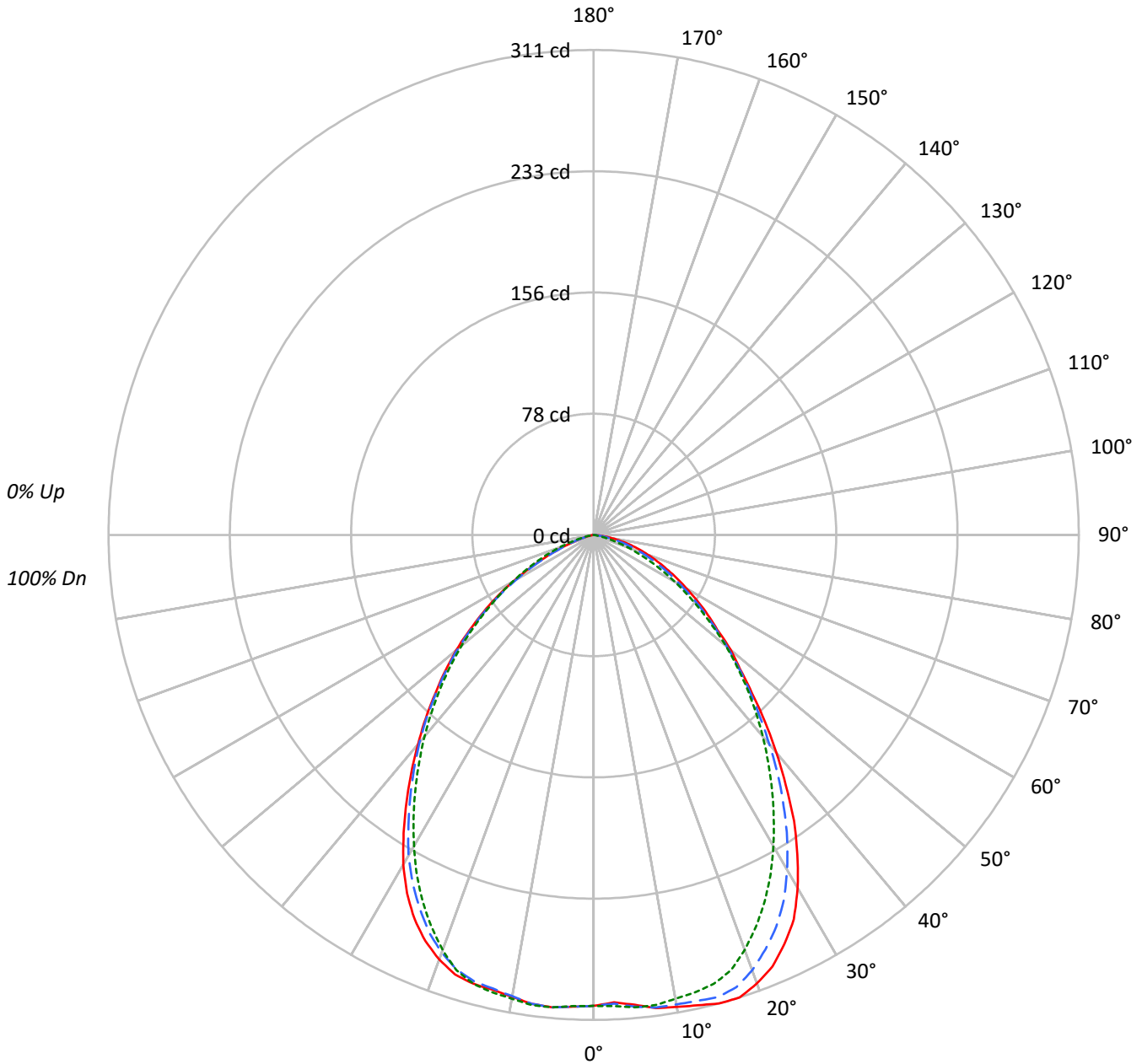
Lumens per Lamp: N/A  
Luminaire Lumens: 609.8 lumens  
Efficiency: N/A  
Efficacy: 101.6 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.15 / 1.2  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582944  
CATALOG NUMBER: HCC6W05D010SL-HM60525930-61RWWC

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582944

CATALOG NUMBER: HCC6W05D010SL-HM60525930-61RWWC

**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	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	59					59			
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°	16556	16556	16556
5°	16641	16734	16734
10°	17112	16811	16744
15°	17650	16913	16913
20°	17857	16521	16901
25°	17505	15690	16440
30°	16553	14585	15445
35°	14984	13338	14000
40°	13039	12065	12531
45°	11133	10761	11133
50°	9774	9424	9808
55°	8535	7942	8248
60°	7532	6589	6502
65°	6680	5202	4462
70°	5898	3670	2677
75°	5020	2076	1292
80°	3757	631	379
85°	2076	314	314



TEST NUMBER: P582944

CATALOG NUMBER: HCC6W05D010SL-HM60525930-61RWWC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.0	4.8
10°-20°	84.8	13.9
20°-30°	123.8	20.3
30°-40°	129.8	21.3
40°-50°	109.4	17.9
50°-60°	76.6	12.6
60°-70°	41.1	6.7
70°-80°	13.8	2.3
80°-90°	1.5	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°	237.5	39.0
0°-40°	367.4	60.2
0°-60°	553.4	90.8
0°-90°	609.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	302	302	302	302	302	
5°	302	304	304	304	304	29
15°	311	307	298	296	298	88
25°	289	277	259	264	272	133
35°	224	212	199	205	209	139
45°	144	141	139	142	144	112
55°	89	86	83	85	86	80
65°	52	47	40	33	34	51
75°	24	18	10	6	6	25
85°	3	2	0	0	0	5
90°	0	0	0	0	0	



TEST NUMBER: P582944

CATALOG NUMBER: HCC6W05D010SL-HM60525930-61RWWC

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0	302.0
2.5°	300.0	300.0	300.8	301.6	302.4	302.4	302.8	303.3	302.8
5°	302.4	302.4	303.6	304.1	304.1	303.6	304.1	304.1	304.1
7.5°	306.1	305.3	305.7	304.9	304.1	303.6	303.3	303.3	303.3
10°	307.4	306.6	305.7	304.1	302.0	300.8	300.4	300.8	300.8
12.5°	308.9	308.2	306.1	302.8	300.4	298.3	298.0	298.8	298.8
15°	311.0	310.2	306.9	301.6	298.0	295.8	296.3	297.1	298.0
17.5°	311.0	309.4	304.1	297.1	292.7	290.5	292.2	294.3	295.5
20°	306.1	304.5	297.1	288.5	283.2	281.9	284.9	288.5	289.7
22.5°	299.6	296.3	287.7	277.5	271.8	271.8	275.8	280.4	281.9
25°	289.4	286.9	277.1	265.2	259.4	259.1	264.0	270.1	271.8
27.5°	277.9	274.6	264.0	251.7	245.5	246.0	251.3	257.4	259.1
30°	261.5	257.4	248.0	236.2	230.4	232.1	237.4	241.8	244.0
32.5°	243.1	239.4	230.9	219.8	214.8	216.5	221.0	225.1	226.7
35°	223.9	219.8	212.4	202.6	199.3	200.9	205.0	208.3	209.2
37.5°	202.2	199.3	194.0	186.2	183.7	185.8	189.0	191.1	192.0
40°	182.2	179.7	175.1	169.4	168.6	170.3	173.6	174.7	175.1
42.5°	162.5	160.5	157.5	153.5	153.5	155.1	158.0	158.8	159.2
45°	143.6	142.4	141.1	138.0	138.8	140.8	142.4	143.6	143.6
47.5°	127.2	127.7	126.0	123.6	124.4	126.4	127.7	128.9	128.9
50°	114.6	113.3	111.8	109.3	110.5	112.1	113.8	114.6	115.0
52.5°	99.9	99.4	98.2	95.4	96.2	97.0	98.6	99.9	100.2
55°	89.3	88.0	86.3	83.1	83.1	83.8	84.7	85.5	86.3
57.5°	79.0	77.7	75.3	71.6	71.2	71.2	70.9	71.6	72.9
60°	68.7	68.4	64.6	61.4	60.1	59.0	57.3	57.7	59.3
62.5°	59.8	59.0	55.7	51.5	49.2	47.0	45.0	44.6	46.2
65°	51.5	50.7	47.0	42.9	40.1	36.4	33.1	33.1	34.4
67.5°	44.2	42.6	39.3	34.8	31.1	26.6	23.3	24.2	24.5
70°	36.8	35.6	31.9	27.5	22.9	18.4	16.4	16.7	16.7
72.5°	30.3	28.7	25.0	20.5	15.9	11.9	11.1	10.6	10.6
75°	23.7	22.1	18.4	13.9	9.8	7.0	6.1	6.1	6.1
77.5°	17.2	15.9	12.7	8.6	5.3	3.3	2.8	2.5	2.5
80°	11.9	10.6	7.8	4.5	2.0	1.2	1.2	1.2	1.2
82.5°	7.0	5.8	3.7	2.0	0.8	0.5	0.5	0.5	0.5
85°	3.3	2.5	1.6	0.8	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)