

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: P582952

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

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582952  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W05D010SL-HM60525930-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

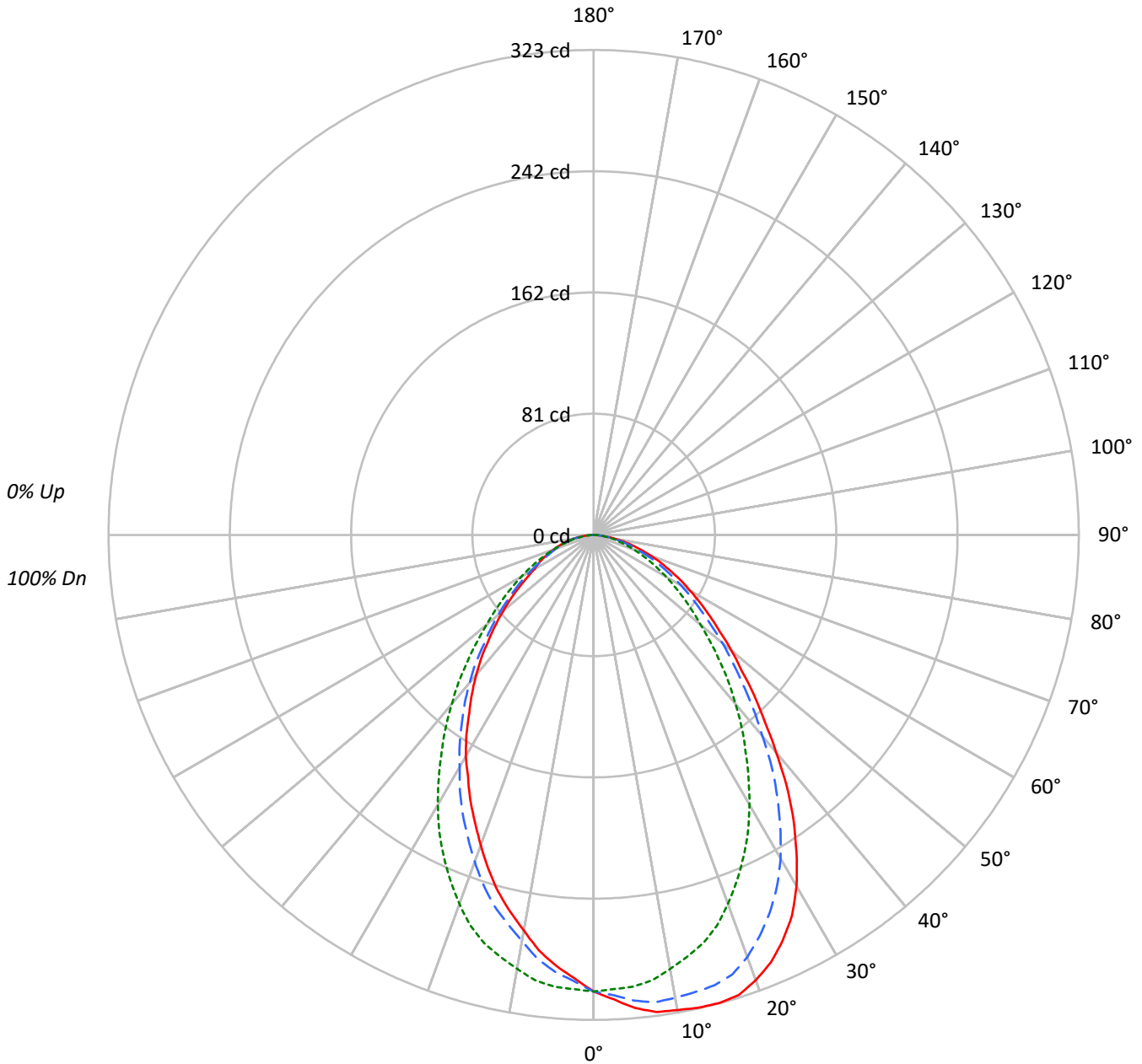
Lumens per Lamp: N/A  
Luminaire Lumens: 566.4 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582952  
CATALOG NUMBER: HCC6W05D010SL-HM60525930-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582952

CATALOG NUMBER: HCC6W05D010SL-HM60525930-61WWW

**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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76					76			
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66					66			
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58					58			
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51					51			
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46					46			
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42					42			
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38					38			
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34					34			
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32					32			

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

	0°	90°	180°
0°	16671	16671	16671
5°	17406	16619	15849
10°	17885	16338	14896
15°	18320	15982	13956
20°	18406	15255	12823
25°	18019	14287	11759
30°	17098	13135	10780
35°	15526	11805	9664
40°	13525	10513	8702
45°	11707	9195	7644
50°	10226	7923	6695
55°	9041	6967	5744
60°	8113	6107	4978
65°	7264	5305	4838
70°	6508	4520	4520
75°	5634	3813	4236
80°	4546	3252	3883
85°	3082	2830	3334



TEST NUMBER: P582952  
 CATALOG NUMBER: HCC6W05D010SL-HM60525930-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.6	5.0
10°-20°	79.4	14.0
20°-30°	110.7	19.5
30°-40°	114.1	20.1
40°-50°	94.5	16.7
50°-60°	67.9	12.0
60°-70°	43.3	7.6
70°-80°	22.2	3.9
80°-90°	5.6	1.0
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°	218.7	38.6
0°-40°	332.8	58.8
0°-60°	495.2	87.4
0°-90°	566.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	566.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	304	304	304	304	304	
5°	316	311	302	292	288	30
15°	323	311	282	256	246	91
25°	298	277	236	206	194	137
35°	232	213	176	153	144	144
45°	151	140	119	104	99	117
55°	95	87	73	65	60	85
65°	56	50	41	36	37	56
75°	27	23	18	19	20	28
85°	5	4	4	5	5	6
90°	0	0	0	0	0	



TEST NUMBER: P582952

CATALOG NUMBER: HCC6W05D010SL-HM60525930-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1	304.1
2.5°	309.7	308.6	306.9	305.3	302.8	299.9	297.5	296.7	295.5
5°	316.3	314.7	311.4	307.4	302.0	296.7	292.2	289.3	288.0
7.5°	320.5	318.3	313.9	306.9	299.1	291.3	284.9	280.7	279.1
10°	321.3	319.2	313.0	303.6	293.5	282.7	274.6	269.7	267.6
12.5°	322.5	319.6	311.9	300.8	287.7	275.4	265.2	259.0	257.0
15°	322.8	319.6	310.6	297.1	281.6	266.8	255.7	248.4	245.9
17.5°	321.3	317.5	306.9	290.5	272.9	257.4	244.3	236.5	233.2
20°	315.5	311.4	299.1	280.7	261.5	245.1	231.6	223.4	219.8
22.5°	308.2	302.8	288.9	269.3	249.2	232.0	218.5	210.3	206.7
25°	297.9	293.0	277.4	256.6	236.2	218.1	205.9	197.3	194.4
27.5°	286.0	280.4	264.3	243.5	222.6	204.6	192.8	185.0	181.3
30°	270.1	264.8	248.8	227.9	207.5	190.7	178.4	171.9	170.3
32.5°	251.3	246.8	231.2	211.5	191.9	176.4	166.1	159.2	157.5
35°	232.0	226.7	213.2	194.8	176.4	162.5	153.0	146.9	144.4
37.5°	211.2	206.2	194.8	178.4	162.0	148.9	140.8	135.5	133.0
40°	189.0	185.4	174.7	161.6	146.9	135.5	128.5	124.0	121.6
42.5°	168.6	164.9	157.5	145.3	133.0	122.7	116.6	112.5	110.5
45°	151.0	147.7	140.3	129.7	118.6	110.1	103.5	100.7	98.6
47.5°	133.5	131.8	125.2	115.4	105.2	97.9	93.3	90.1	88.4
50°	119.9	117.9	111.8	101.5	92.9	87.1	83.1	80.2	78.5
52.5°	106.0	104.0	98.2	89.6	82.7	77.3	73.2	70.9	69.2
55°	94.6	92.9	86.8	79.0	72.9	68.4	64.6	61.8	60.1
57.5°	83.8	82.3	76.5	69.2	63.8	59.8	56.5	54.0	52.0
60°	74.0	72.9	67.1	60.1	55.7	51.5	48.7	46.7	45.4
62.5°	65.4	63.1	58.1	52.0	47.9	44.6	41.7	40.6	41.4
65°	56.0	54.8	49.9	44.6	40.9	37.6	35.6	36.4	37.3
67.5°	48.3	46.7	42.6	37.6	34.4	31.9	30.7	32.3	32.8
70°	40.6	38.9	35.1	31.1	28.2	26.6	26.6	27.8	28.2
72.5°	33.1	31.9	28.6	25.4	23.3	22.1	22.9	23.7	24.2
75°	26.6	25.4	22.9	20.0	18.0	18.0	18.9	19.7	20.0
77.5°	20.5	19.7	17.2	15.1	14.4	14.4	15.1	15.6	15.9
80°	14.4	13.6	12.3	11.1	10.3	11.1	11.9	11.9	12.3
82.5°	9.4	9.0	8.1	7.3	7.3	7.8	8.1	8.6	8.6
85°	4.9	4.9	4.5	4.1	4.5	4.9	4.9	5.3	5.3
87.5°	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0
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)