

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: P582969

Luminaire Tested: **HCC6W05D010BZ-HM60525935-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582969  
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: HCC6W05D010BZ-HM60525935-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

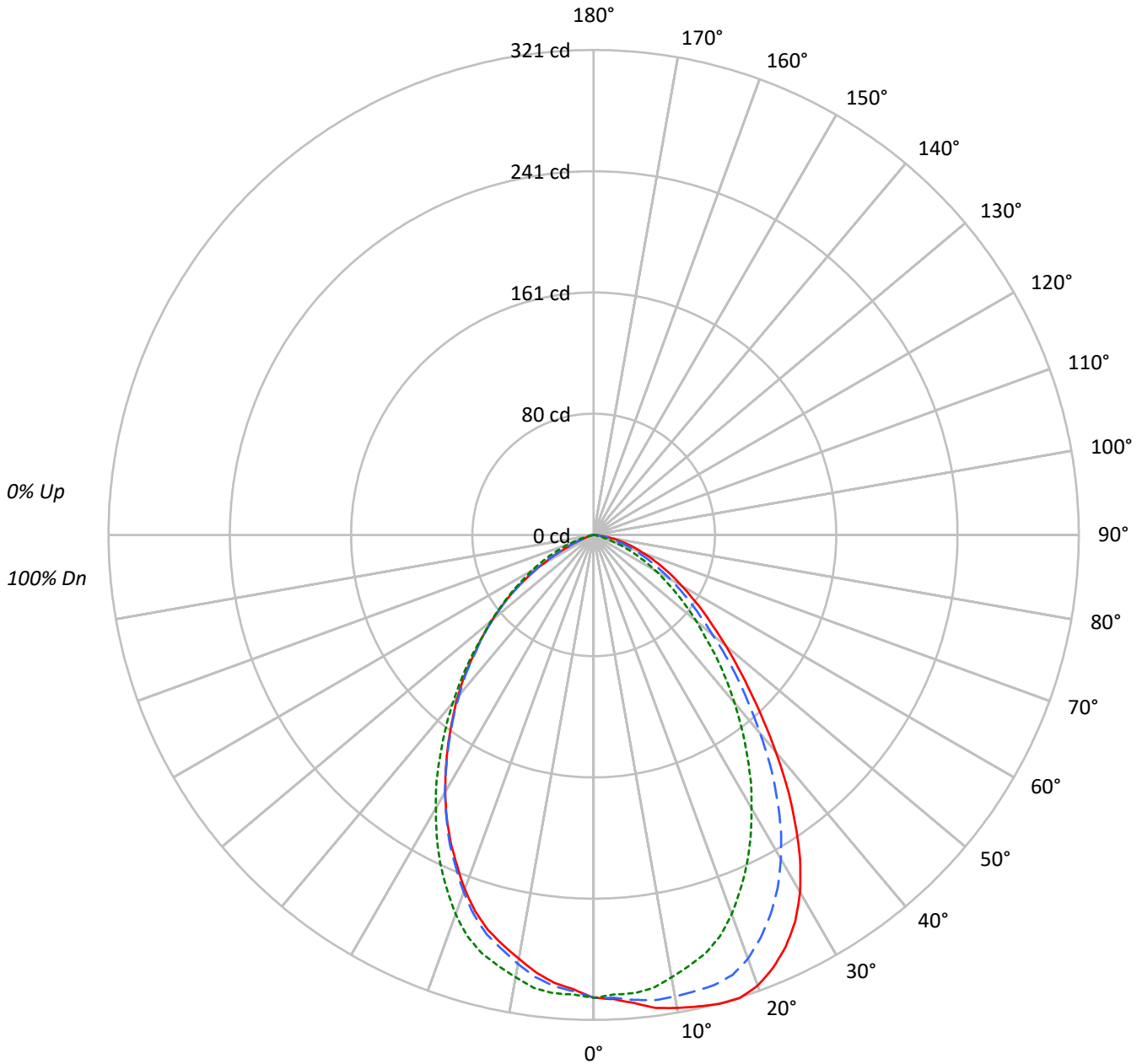
Lumens per Lamp: N/A  
Luminaire Lumens: 545.9 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582969  
CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582969

CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWBB

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

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

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

	0°	90°	180°
0°	16791	16791	16791
5°	17120	16757	16377
10°	17702	16549	15854
15°	18241	16260	15352
20°	18522	15582	14550
25°	18189	14517	13549
30°	17287	13224	12432
35°	15540	11819	11216
40°	13411	10362	10019
45°	11350	8916	8683
50°	9731	7539	7462
55°	8449	6337	6088
60°	7368	5153	4353
65°	6473	3969	2400
70°	5594	2629	1170
75°	4745	1271	445
80°	3662	537	284
85°	2139	314	314



TEST NUMBER: P582969  
 CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.9	5.3
10°-20°	81.7	15.0
20°-30°	115.1	21.1
30°-40°	117.6	21.5
40°-50°	94.8	17.4
50°-60°	63.6	11.6
60°-70°	32.2	5.9
70°-80°	10.3	1.9
80°-90°	1.6	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°	225.7	41.4
0°-40°	343.4	62.9
0°-60°	501.8	91.9
0°-90°	545.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	306	306	306	306	306	
5°	311	309	304	300	298	30
15°	321	308	286	274	270	91
25°	301	277	240	225	224	138
35°	232	211	177	167	168	144
45°	146	135	115	111	112	114
55°	88	78	66	63	64	79
65°	50	41	31	20	18	50
75°	22	16	6	2	2	24
85°	3	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: P582969

CATALOG NUMBER: HCC6W05D010BZ-HM60525935-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3	306.3
2.5°	307.6	307.1	306.7	305.9	304.5	303.3	302.4	301.6	301.1
5°	311.1	310.2	308.9	307.1	304.5	301.6	299.8	298.1	297.6
7.5°	315.8	314.0	310.6	306.7	302.4	298.1	295.2	293.3	292.1
10°	318.0	314.9	310.2	303.7	297.3	292.1	288.3	285.7	284.8
12.5°	319.7	316.2	309.3	300.7	292.1	285.2	280.9	278.8	277.9
15°	321.4	318.0	308.5	297.3	286.5	278.3	273.6	271.4	270.5
17.5°	321.4	316.6	305.4	291.2	278.3	268.4	263.6	261.5	261.0
20°	317.5	312.3	298.5	281.7	267.1	255.9	251.5	250.3	249.4
22.5°	310.2	304.2	288.6	269.7	253.8	243.0	238.2	237.4	236.5
25°	300.7	294.7	277.0	256.7	240.0	229.2	225.3	224.4	224.0
27.5°	288.6	282.2	263.6	243.0	224.9	214.6	211.1	211.1	210.6
30°	273.1	265.8	247.7	227.0	208.9	199.4	196.8	196.8	196.4
32.5°	254.1	246.9	230.5	210.6	193.5	183.5	181.4	182.3	181.8
35°	232.2	226.2	211.1	191.8	176.6	167.6	166.7	167.6	167.6
37.5°	210.2	204.6	191.8	174.9	160.7	152.5	152.5	153.8	153.3
40°	187.4	183.1	171.1	156.4	144.8	139.1	138.3	139.6	140.0
42.5°	165.9	162.4	152.1	140.0	129.7	124.1	125.3	126.2	126.7
45°	146.4	143.1	134.8	122.4	115.0	111.2	111.2	112.4	112.0
47.5°	129.3	126.7	118.4	106.4	99.9	98.2	99.1	99.9	99.9
50°	114.1	110.3	102.5	93.0	88.4	86.1	87.0	87.5	87.5
52.5°	99.9	97.4	89.6	81.0	76.7	75.4	75.4	75.8	75.8
55°	88.4	85.3	78.4	69.8	66.3	64.6	63.3	62.9	63.7
57.5°	77.1	74.6	68.0	59.9	56.0	54.2	51.6	50.8	51.6
60°	67.2	65.1	58.5	50.8	47.0	43.5	40.5	38.8	39.7
62.5°	58.5	56.0	49.5	43.1	38.8	34.9	30.2	27.6	28.8
65°	49.9	47.8	41.4	34.9	30.6	25.9	20.2	18.5	18.5
67.5°	42.3	40.1	34.0	28.5	23.3	17.6	12.5	12.1	12.5
70°	34.9	32.8	27.6	21.9	16.4	10.7	7.3	7.3	7.3
72.5°	28.8	26.3	21.6	15.9	10.3	5.6	3.8	4.3	4.3
75°	22.4	20.2	15.9	10.7	6.0	2.6	2.1	2.1	2.1
77.5°	16.8	15.0	11.2	6.9	3.1	0.9	0.9	0.9	0.9
80°	11.6	9.9	7.3	4.3	1.7	0.9	0.9	0.9	0.9
82.5°	6.9	6.0	4.3	2.1	0.9	0.5	0.5	0.5	0.5
85°	3.4	3.1	1.7	0.9	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	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)