

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: P582898

Luminaire Tested: **HCC6W05D010BZ-HM60525835-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582898  
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: HCC6W05D010BZ-HM60525835-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

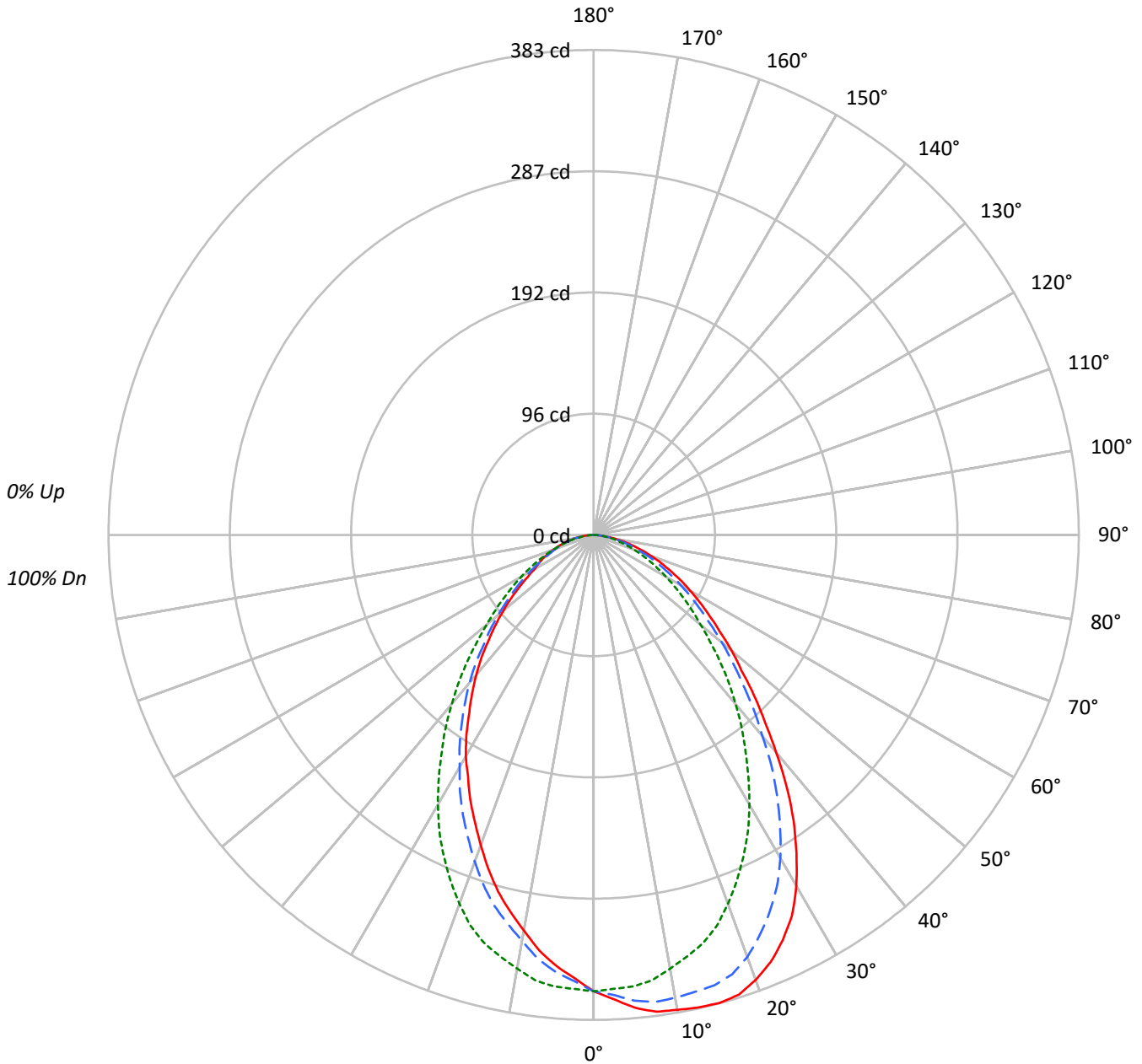
Lumens per Lamp: N/A  
Luminaire Lumens: 671.3 lumens  
Efficiency: N/A  
Efficacy: 111.9 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582898  
CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWW

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582898

CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWW

**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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

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

	0°	90°	180°
0°	19757	19757	19757
5°	20631	19701	18793
10°	21198	19361	17657
15°	21720	18939	16544
20°	21813	18085	15197
25°	21358	16930	13936
30°	20263	15566	12774
35°	18404	13987	11457
40°	16037	12459	10312
45°	13877	10908	9055
50°	12128	9390	7940
55°	10714	8248	6815
60°	9626	7236	5899
65°	8613	6291	5733
70°	7694	5353	5353
75°	6672	4533	5020
80°	5367	3820	4609
85°	3711	3334	3963



TEST NUMBER: P582898  
 CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.9	5.0
10°-20°	94.2	14.0
20°-30°	131.2	19.5
30°-40°	135.2	20.1
40°-50°	112.0	16.7
50°-60°	80.5	12.0
60°-70°	51.3	7.6
70°-80°	26.3	3.9
80°-90°	6.7	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°	259.2	38.6
0°-40°	394.4	58.8
0°-60°	587.0	87.4
0°-90°	671.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	671.3	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	360	360	360	360	360	
5°	375	369	358	346	342	36
15°	383	368	334	303	292	108
25°	353	329	280	244	230	162
35°	275	253	209	181	171	171
45°	179	166	141	123	117	139
55°	112	103	86	77	71	101
65°	66	59	48	42	44	67
75°	32	27	21	22	24	34
85°	6	5	5	6	6	7
90°	0	0	0	0	0	



TEST NUMBER: P582898

CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	360.4	360.4	360.4	360.4	360.4	360.4	360.4	360.4	360.4
2.5°	367.1	365.7	363.7	361.8	358.9	355.5	352.7	351.7	350.2
5°	374.9	373.0	369.2	364.3	358.0	351.7	346.3	343.0	341.5
7.5°	379.8	377.4	372.0	363.7	354.6	345.3	337.6	332.8	330.8
10°	380.8	378.3	371.1	359.9	347.8	335.2	325.4	319.7	317.2
12.5°	382.2	378.8	369.6	356.5	341.0	326.5	314.3	307.0	304.6
15°	382.7	378.8	368.2	352.1	333.7	316.3	303.2	294.4	291.5
17.5°	380.8	376.4	363.7	344.4	323.5	305.1	289.6	280.4	276.5
20°	373.9	369.2	354.6	332.8	310.0	290.5	274.6	264.9	260.5
22.5°	365.2	358.9	342.4	319.1	295.4	275.0	259.0	249.3	245.0
25°	353.1	347.2	328.8	304.1	279.9	258.5	244.0	233.8	230.4
27.5°	339.0	332.2	313.3	288.6	263.9	242.5	228.5	219.2	214.9
30°	320.1	313.8	294.9	270.2	245.9	226.0	211.4	203.7	201.8
32.5°	297.9	292.4	274.0	250.7	227.5	209.0	197.0	188.7	186.8
35°	275.0	268.7	252.7	230.9	209.0	192.6	181.4	174.1	171.2
37.5°	250.3	244.4	230.9	211.4	192.1	176.5	166.9	160.6	157.6
40°	224.1	219.7	207.1	191.6	174.1	160.6	152.3	147.0	144.1
42.5°	199.8	195.5	186.8	172.2	157.6	145.5	138.2	133.3	131.0
45°	179.0	175.1	166.3	153.8	140.7	130.5	122.7	119.3	116.8
47.5°	158.1	156.2	148.4	136.7	124.6	115.9	110.6	106.7	104.8
50°	142.2	139.7	132.4	120.3	110.1	103.3	98.4	95.0	93.1
52.5°	125.7	123.2	116.4	106.2	98.0	91.6	86.8	84.0	81.9
55°	112.1	110.1	102.8	93.6	86.3	81.0	76.6	73.2	71.3
57.5°	99.4	97.5	90.7	81.9	75.7	70.9	66.9	64.1	61.6
60°	87.8	86.3	79.6	71.3	66.0	61.1	57.7	55.3	53.8
62.5°	77.6	74.7	68.9	61.6	56.7	52.9	49.5	48.0	49.0
65°	66.4	65.0	59.2	52.9	48.5	44.6	42.1	43.2	44.2
67.5°	57.3	55.3	50.4	44.6	40.8	37.9	36.4	38.3	38.8
70°	48.0	46.1	41.7	36.8	33.4	31.5	31.5	33.0	33.4
72.5°	39.3	37.9	33.9	30.1	27.7	26.2	27.1	28.1	28.6
75°	31.5	30.1	27.1	23.7	21.4	21.4	22.3	23.3	23.7
77.5°	24.3	23.3	20.3	18.0	17.0	17.0	18.0	18.4	18.9
80°	17.0	16.0	14.6	13.1	12.1	13.1	14.0	14.0	14.6
82.5°	11.2	10.6	9.7	8.7	8.7	9.3	9.7	10.2	10.2
85°	5.9	5.9	5.3	4.9	5.3	5.9	5.9	6.3	6.3
87.5°	1.9	1.9	1.9	1.9	2.4	2.4	2.4	2.4	2.4
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)