

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: P582897

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

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582897  
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-HM60525835-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

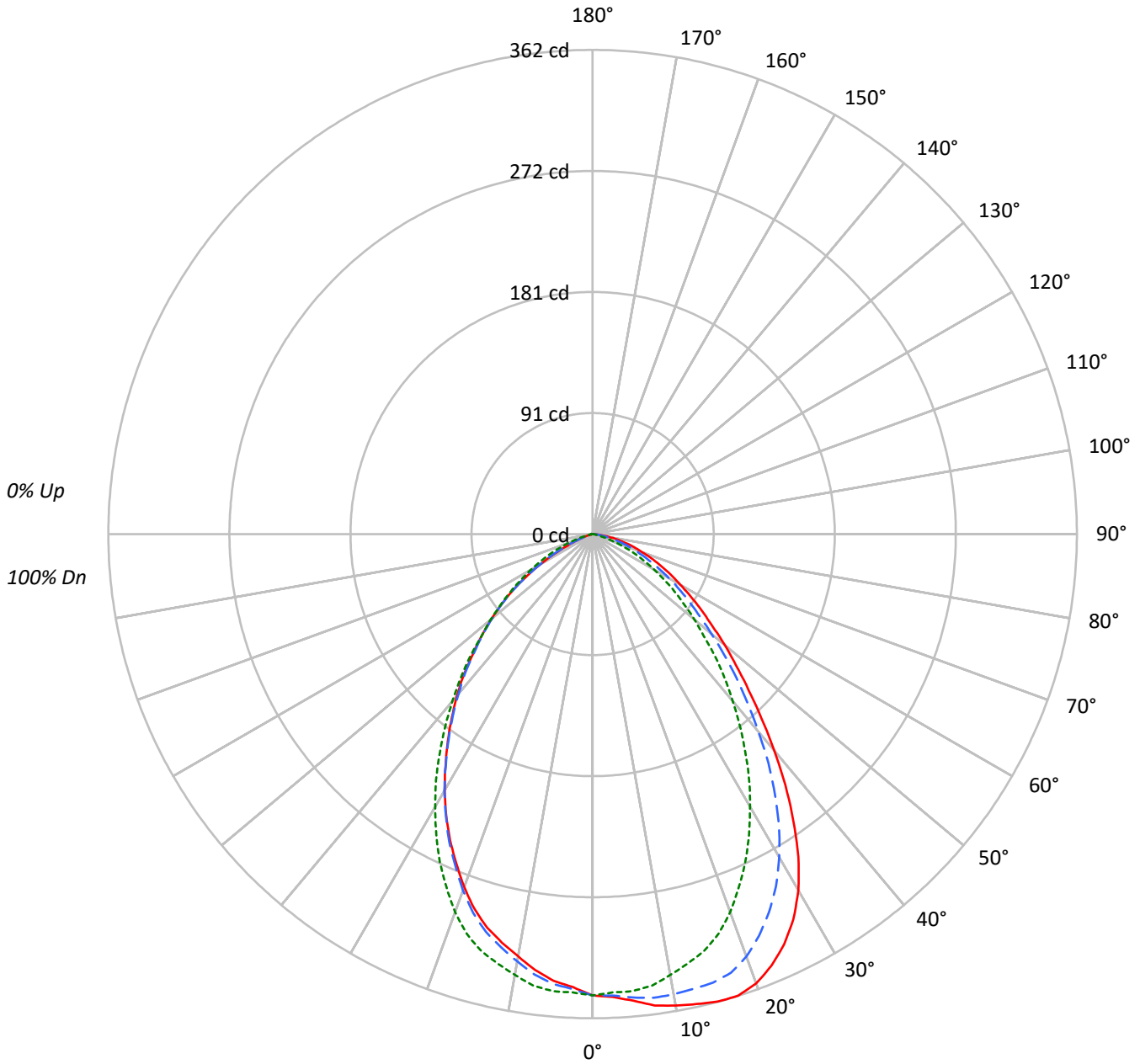
Lumens per Lamp: N/A  
Luminaire Lumens: 614.6 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): NR  
Input Current (Ain): 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: P582897  
CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWBB

### Luminous Intensity Polar Plot





TEST NUMBER: P582897

CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWBB

**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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69	69	69	69
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61	61	61	61
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54	54	54	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49	49	49	49
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44	44	44	44
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37	37	37	37
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34	34	34	34

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

	0°	90°	180°
0°	18907	18907	18907
5°	19271	18875	18446
10°	19928	18631	17846
15°	20534	18303	17287
20°	20856	17542	16381
25°	20475	16344	15255
30°	19465	14895	13996
35°	17500	13311	12628
40°	15100	11658	11278
45°	12784	10040	9776
50°	10968	8477	8392
55°	9500	7140	6862
60°	8300	5800	4890
65°	7303	4475	2711
70°	6299	2949	1314
75°	5338	1440	508
80°	4136	600	316
85°	2390	314	314



TEST NUMBER: P582897  
 CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.5	5.3
10°-20°	92.0	15.0
20°-30°	129.6	21.1
30°-40°	132.4	21.5
40°-50°	106.8	17.4
50°-60°	71.6	11.7
60°-70°	36.2	5.9
70°-80°	11.6	1.9
80°-90°	1.8	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°	254.2	41.4
0°-40°	386.6	62.9
0°-60°	565.0	91.9
0°-90°	614.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.6	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	345	345	345	345	345	
5°	350	348	343	338	335	34
15°	362	347	322	308	305	102
25°	338	312	270	254	252	155
35°	262	238	199	188	189	163
45°	165	152	130	125	126	128
55°	99	88	75	71	72	89
65°	56	47	34	23	21	56
75°	25	18	7	2	2	27
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: P582897

CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	344.9	344.9	344.9	344.9	344.9	344.9	344.9	344.9	344.9
2.5°	346.3	345.9	345.3	344.4	343.0	341.5	340.5	339.6	339.0
5°	350.2	349.3	347.8	345.9	343.0	339.6	337.6	335.6	335.2
7.5°	355.5	353.6	349.7	345.3	340.5	335.6	332.2	330.3	328.8
10°	358.0	354.6	349.3	341.9	334.7	328.8	324.5	321.6	320.6
12.5°	359.9	356.1	348.3	338.5	328.8	321.1	316.3	313.8	312.9
15°	361.8	358.0	347.2	334.7	322.5	313.3	308.0	305.6	304.6
17.5°	361.8	356.5	343.9	327.9	313.3	302.2	296.9	294.5	293.9
20°	357.5	351.7	336.2	317.2	300.7	288.2	283.3	281.8	280.8
22.5°	349.3	342.4	325.0	303.6	285.7	273.6	268.3	267.2	266.3
25°	338.5	331.8	311.9	289.1	270.2	258.1	253.7	252.7	252.2
27.5°	325.0	317.8	296.9	273.6	253.2	241.6	237.6	237.6	237.2
30°	307.5	299.2	278.9	255.6	235.3	224.5	221.7	221.7	221.1
32.5°	286.2	278.0	259.4	237.2	217.8	206.7	204.2	205.2	204.6
35°	261.5	254.7	237.6	215.8	198.9	188.7	187.7	188.7	188.7
37.5°	236.7	230.4	215.8	197.0	180.9	171.8	171.8	173.1	172.7
40°	211.0	206.1	192.6	176.1	162.9	156.6	155.7	157.2	157.6
42.5°	186.8	182.8	171.2	157.6	146.0	139.7	141.1	142.2	142.6
45°	164.9	161.0	151.9	137.7	129.5	125.1	125.1	126.6	126.1
47.5°	145.5	142.6	133.3	119.8	112.5	110.6	111.5	112.5	112.5
50°	128.6	124.2	115.5	104.8	99.4	97.0	98.0	98.4	98.4
52.5°	112.5	109.6	100.9	91.2	86.3	84.9	84.9	85.3	85.3
55°	99.4	96.0	88.3	78.5	74.7	72.8	71.3	70.9	71.8
57.5°	86.8	84.0	76.6	67.5	63.1	61.1	58.2	57.3	58.2
60°	75.7	73.2	66.0	57.3	52.9	49.0	45.5	43.6	44.6
62.5°	66.0	63.1	55.8	48.5	43.6	39.3	33.9	31.1	32.5
65°	56.3	53.8	46.6	39.3	34.5	29.2	22.8	20.9	20.9
67.5°	47.6	45.1	38.3	32.0	26.2	19.9	14.0	13.6	14.0
70°	39.3	36.8	31.1	24.7	18.4	12.1	8.2	8.2	8.2
72.5°	32.5	29.6	24.3	18.0	11.6	6.3	4.4	4.9	4.9
75°	25.2	22.8	18.0	12.1	6.8	2.9	2.4	2.4	2.4
77.5°	18.9	17.0	12.7	7.8	3.4	1.0	1.0	1.0	1.0
80°	13.1	11.2	8.2	4.9	1.9	1.0	1.0	1.0	1.0
82.5°	7.8	6.8	4.9	2.4	1.0	0.5	0.5	0.5	0.5
85°	3.8	3.4	1.9	1.0	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	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)