

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: P582899

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

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W05D010BZ-HM60525835-61WWWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

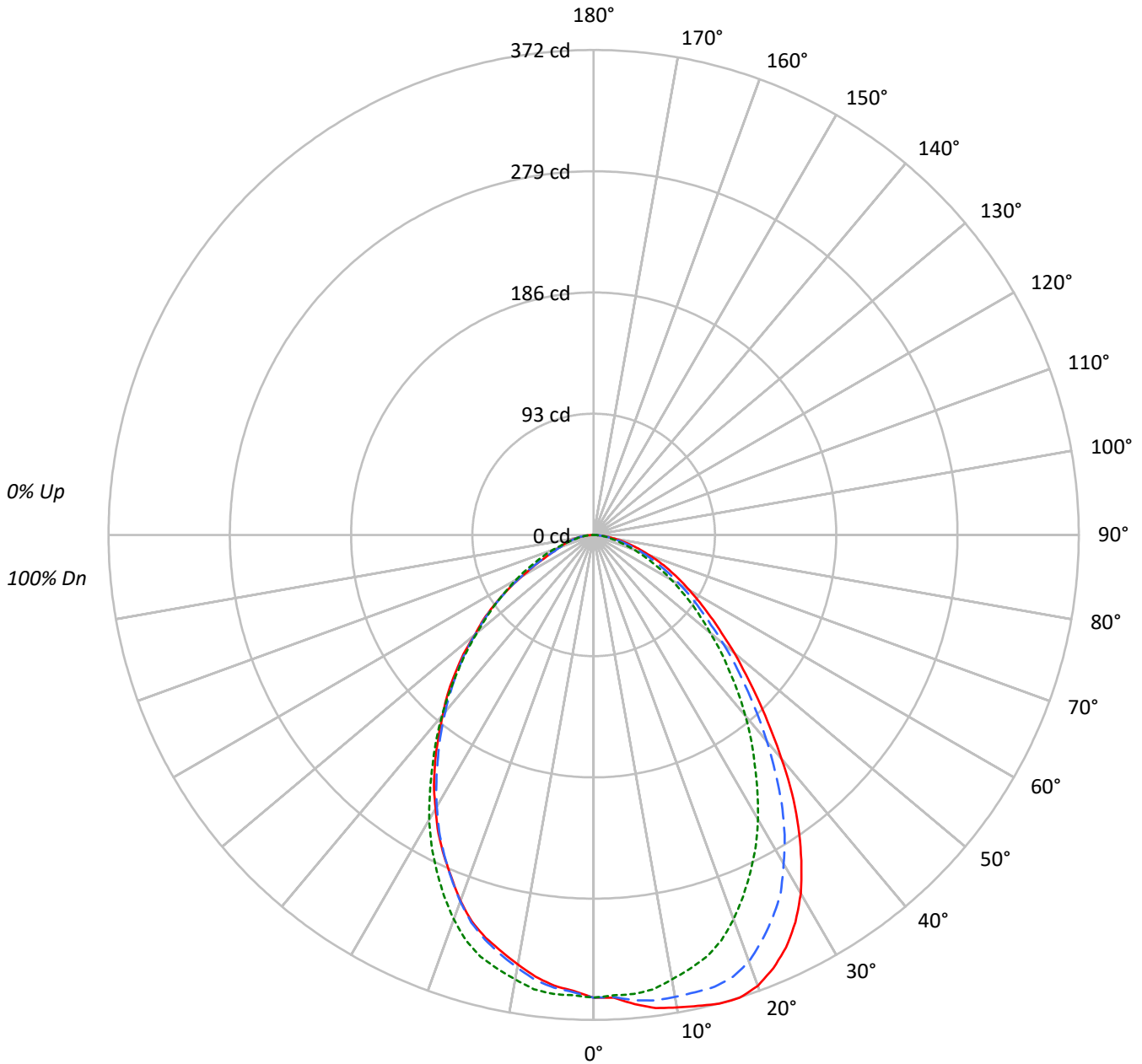
Lumens per Lamp: N/A  
Luminaire Lumens: 695.1 lumens  
Efficiency: N/A  
Efficacy: 115.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.09 / 1.17  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582899  
CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWWB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582899

CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWWB

**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	103	100	108	104	101	98	100	97	95	96	94	92	93	91	89	87					87			
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76					76			
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66					66			
4	87	77	69	63	85	75	68	63	73	67	62	71	65	61	69	64	60	58					58			
5	81	70	61	56	79	68	61	55	66	60	55	65	59	54	63	58	54	52					52			
6	75	63	55	49	74	62	55	49	61	54	49	59	53	48	58	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	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31					31			

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

	0°	90°	180°
0°	19456	19456	19456
5°	19882	19453	19101
10°	20485	19272	18626
15°	21130	19013	18161
20°	21469	18301	17426
25°	21122	17215	16422
30°	20104	15958	15344
35°	18330	14409	14181
40°	16030	12946	12874
45°	13800	11389	11652
50°	11991	9927	10132
55°	10475	8717	8803
60°	9308	7543	6918
65°	8302	6343	5279
70°	7293	5193	4440
75°	6270	4109	4215
80°	5051	3536	4136
85°	3334	3082	3648



TEST NUMBER: P582899  
 CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	4.8
10°-20°	95.7	13.8
20°-30°	136.6	19.6
30°-40°	143.1	20.6
40°-50°	120.4	17.3
50°-60°	85.7	12.3
60°-70°	50.2	7.2
70°-80°	23.7	3.4
80°-90°	6.1	0.9
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°	265.8	38.2
0°-40°	408.9	58.8
0°-60°	615.1	88.5
0°-90°	695.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	355	355	355	355	355	
5°	361	358	354	349	347	35
15°	372	359	335	322	320	105
25°	349	324	285	271	272	160
35°	274	251	215	208	212	170
45°	178	165	147	147	150	138
55°	110	100	91	91	92	99
65°	64	57	49	41	41	64
75°	30	25	19	19	20	32
85°	5	4	5	6	6	7
90°	0	0	0	0	0	



TEST NUMBER: P582899

CATALOG NUMBER: HCC6W05D010BZ-HM60525835-61WWWB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9	354.9
2.5°	355.4	355.4	354.9	354.5	353.5	352.0	351.1	350.1	350.1
5°	361.3	360.2	358.3	356.0	353.5	350.5	348.6	347.1	347.1
7.5°	366.1	364.2	360.2	356.0	351.5	347.7	344.3	342.3	341.8
10°	368.0	365.6	359.8	353.0	346.2	340.9	337.0	334.6	334.6
12.5°	370.0	367.0	359.3	349.6	340.9	333.6	329.7	327.8	327.2
15°	372.3	368.5	358.8	346.7	335.0	326.8	321.5	320.0	320.0
17.5°	372.3	367.6	355.4	340.4	325.9	316.6	311.8	310.3	310.9
20°	368.0	362.7	348.2	329.7	313.7	304.0	299.2	298.2	298.7
22.5°	359.8	353.5	337.0	317.1	299.7	289.5	285.1	285.1	284.6
25°	349.2	342.3	324.4	303.5	284.6	274.5	271.1	271.5	271.5
27.5°	335.0	328.3	310.3	288.0	269.2	258.9	256.5	257.5	258.0
30°	317.6	310.3	291.4	269.6	252.1	241.9	240.5	241.9	242.4
32.5°	296.3	291.0	272.6	250.2	233.7	225.0	224.5	226.0	227.9
35°	273.9	268.1	251.2	230.9	215.3	208.0	208.0	210.4	211.9
37.5°	249.7	243.9	228.4	211.4	198.3	191.5	192.6	194.9	195.4
40°	224.0	219.7	206.6	192.0	180.9	175.5	177.0	179.4	179.9
42.5°	199.8	195.9	185.2	172.1	163.8	160.0	161.9	164.9	165.9
45°	178.0	173.6	164.9	153.7	146.9	145.0	147.4	149.4	150.3
47.5°	158.1	154.2	146.9	136.7	131.9	131.0	133.3	134.4	135.3
50°	140.6	136.7	129.5	120.2	116.4	116.4	118.3	119.3	118.8
52.5°	123.6	120.2	113.5	105.7	103.3	103.3	104.8	105.2	106.2
55°	109.6	106.2	100.3	93.1	91.2	90.2	91.2	91.2	92.1
57.5°	96.5	93.6	88.3	81.5	79.0	78.1	77.6	77.1	78.1
60°	84.9	82.4	76.6	70.7	68.8	66.4	64.5	62.6	63.1
62.5°	74.2	71.8	66.4	60.6	58.6	55.3	52.9	50.4	51.4
65°	64.0	61.6	56.7	51.9	48.9	45.1	41.2	39.8	40.7
67.5°	54.8	52.9	48.0	43.2	40.7	36.4	32.4	32.4	33.0
70°	45.5	43.6	39.8	35.4	32.4	28.6	27.1	27.7	27.7
72.5°	37.3	35.9	32.0	28.1	25.2	22.8	22.8	23.3	23.7
75°	29.6	28.6	24.7	21.4	19.4	18.0	18.9	19.4	19.9
77.5°	22.8	21.4	18.4	16.0	14.6	15.0	16.0	16.5	17.0
80°	16.0	15.5	13.1	11.6	11.2	11.6	12.7	13.1	13.1
82.5°	10.2	9.7	8.2	7.8	7.8	8.2	9.3	9.3	9.3
85°	5.3	4.9	4.4	4.4	4.9	5.3	5.8	5.8	5.8
87.5°	1.9	1.5	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)