

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: P582891

Luminaire Tested: **HCC6S05D010BZ-HM60525835-61RWWH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582891  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S05D010BZ-HM60525835-61RWWH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

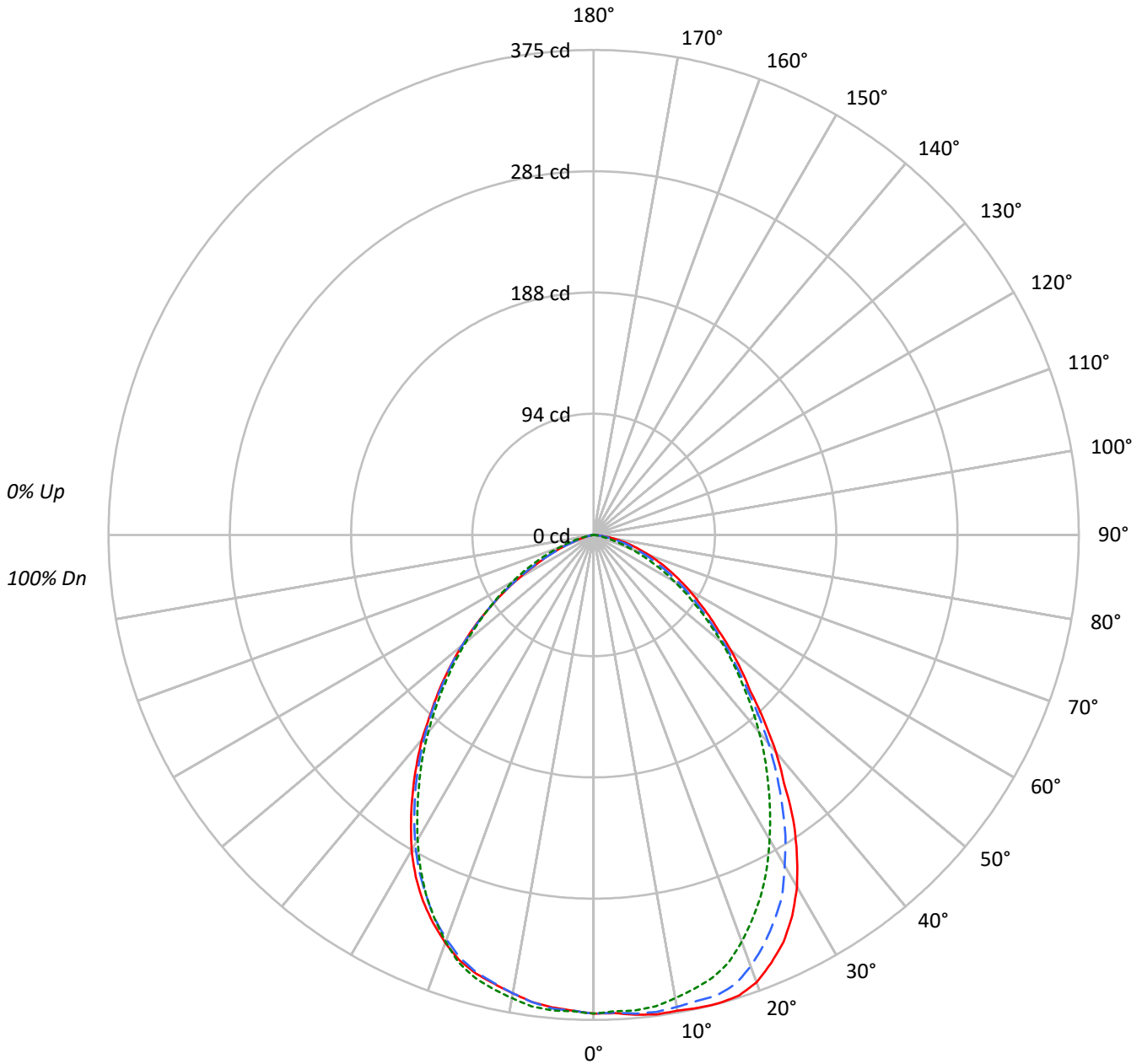
Lumens per Lamp: N/A  
Luminaire Lumens: 725.2 lumens  
Efficiency: N/A  
Efficacy: 120.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582891  
CATALOG NUMBER: HCC6S05D010BZ-HM60525835-61RWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P582891

CATALOG NUMBER: HCC6S05D010BZ-HM60525835-61RWWH

**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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88								
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77								
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67								
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59								
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53								
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47								
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42								
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38								
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35								
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32								

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

	0°	90°	180°
0°	20289	20289	20289
5°	20493	20311	20179
10°	20791	20246	20034
15°	21277	20125	19932
20°	21480	19526	19578
25°	21001	18545	18890
30°	19895	17224	17813
35°	18016	15747	16329
40°	15687	14234	14749
45°	13304	12598	13048
50°	11786	11002	11292
55°	10380	9405	9366
60°	9308	7927	7280
65°	8315	6356	5215
70°	7293	4584	3254
75°	6185	2775	1843
80°	4735	1200	758
85°	2768	314	314



TEST NUMBER: P582891

CATALOG NUMBER: HCC6S05D010BZ-HM60525835-61RWWH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.1	4.8
10°-20°	101.0	13.9
20°-30°	145.9	20.1
30°-40°	153.6	21.2
40°-50°	129.1	17.8
50°-60°	90.6	12.5
60°-70°	49.8	6.9
70°-80°	17.7	2.4
80°-90°	2.3	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°	282.0	38.9
0°-40°	435.6	60.1
0°-60°	655.3	90.4
0°-90°	725.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	725.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	370	370	370	370	370	
5°	372	372	369	368	367	36
15°	375	369	355	350	351	106
25°	347	330	307	307	312	159
35°	269	254	235	240	244	167
45°	172	167	162	166	168	135
55°	109	103	98	98	98	98
65°	64	57	49	40	40	64
75°	29	23	13	9	9	31
85°	4	2	0	0	0	6
90°	0	0	0	0	0	



TEST NUMBER: P582891

CATALOG NUMBER: HCC6S05D010BZ-HM60525835-61RWWH

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	370.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1	370.1
2.5°	370.1	370.1	369.6	369.6	368.6	368.6	368.2	368.2	368.2
5°	372.4	372.4	371.5	370.1	369.1	367.7	367.7	367.1	366.7
7.5°	373.9	373.5	372.0	370.1	367.7	365.2	364.3	364.8	364.3
10°	373.5	372.4	370.5	366.7	363.7	360.4	359.9	359.5	359.9
12.5°	374.5	373.0	369.1	364.3	359.5	355.5	355.0	355.0	355.5
15°	374.9	373.5	368.6	361.4	354.6	350.6	350.2	350.6	351.2
17.5°	373.5	371.5	364.3	354.6	346.8	343.0	343.0	343.9	344.9
20°	368.2	365.2	355.0	343.4	334.7	331.8	332.8	334.7	335.6
22.5°	358.4	355.0	343.4	330.3	321.1	318.7	321.1	323.5	324.5
25°	347.2	343.4	329.8	316.3	306.6	303.6	307.0	310.9	312.3
27.5°	332.2	327.9	315.3	299.8	290.1	288.6	292.4	296.9	297.8
30°	314.3	309.4	295.4	280.8	272.1	271.7	275.9	279.9	281.4
32.5°	292.4	288.2	275.9	261.5	253.7	253.7	258.1	261.5	262.8
35°	269.2	264.3	253.7	241.6	235.3	235.7	240.1	242.5	244.0
37.5°	241.6	240.1	231.9	221.7	217.3	218.3	221.7	223.6	225.1
40°	219.2	215.4	210.1	201.8	198.9	199.8	203.2	205.2	206.1
42.5°	195.0	192.6	188.1	182.4	180.5	181.9	184.8	186.2	185.8
45°	171.6	171.2	166.9	163.5	162.5	164.4	166.3	167.8	168.3
47.5°	154.7	152.8	148.9	146.4	145.5	147.5	149.4	150.4	150.4
50°	138.2	136.3	132.4	130.0	129.0	131.0	132.4	133.3	132.4
52.5°	121.7	119.8	116.4	113.5	113.0	114.0	114.5	114.9	115.9
55°	108.6	106.7	102.8	99.4	98.4	99.0	98.4	98.4	98.0
57.5°	96.0	94.1	90.2	86.3	84.9	84.4	82.9	82.5	81.9
60°	84.9	82.5	78.5	74.2	72.3	70.3	67.9	66.4	66.4
62.5°	74.2	71.8	67.5	63.5	60.7	57.2	53.3	51.4	51.4
65°	64.1	62.0	57.2	52.9	49.0	44.6	40.2	39.3	40.2
67.5°	54.4	52.4	47.6	43.2	38.3	33.0	29.2	29.2	30.1
70°	45.5	43.6	39.3	33.9	28.6	23.3	20.3	20.3	20.3
72.5°	37.4	35.4	30.5	25.7	20.3	15.0	13.6	14.0	13.6
75°	29.2	27.7	23.3	18.0	13.1	9.3	8.7	8.2	8.7
77.5°	21.8	20.3	16.5	11.6	7.2	5.3	4.9	4.9	4.9
80°	15.0	13.6	10.6	6.8	3.8	2.4	2.4	2.4	2.4
82.5°	9.3	7.8	5.9	3.4	1.5	1.5	1.5	1.5	1.5
85°	4.4	3.4	2.4	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)