

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: P581745

Luminaire Tested: **HCC6S15D010BZ-HM60525835-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581745  
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: HCC6S15D010BZ-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**

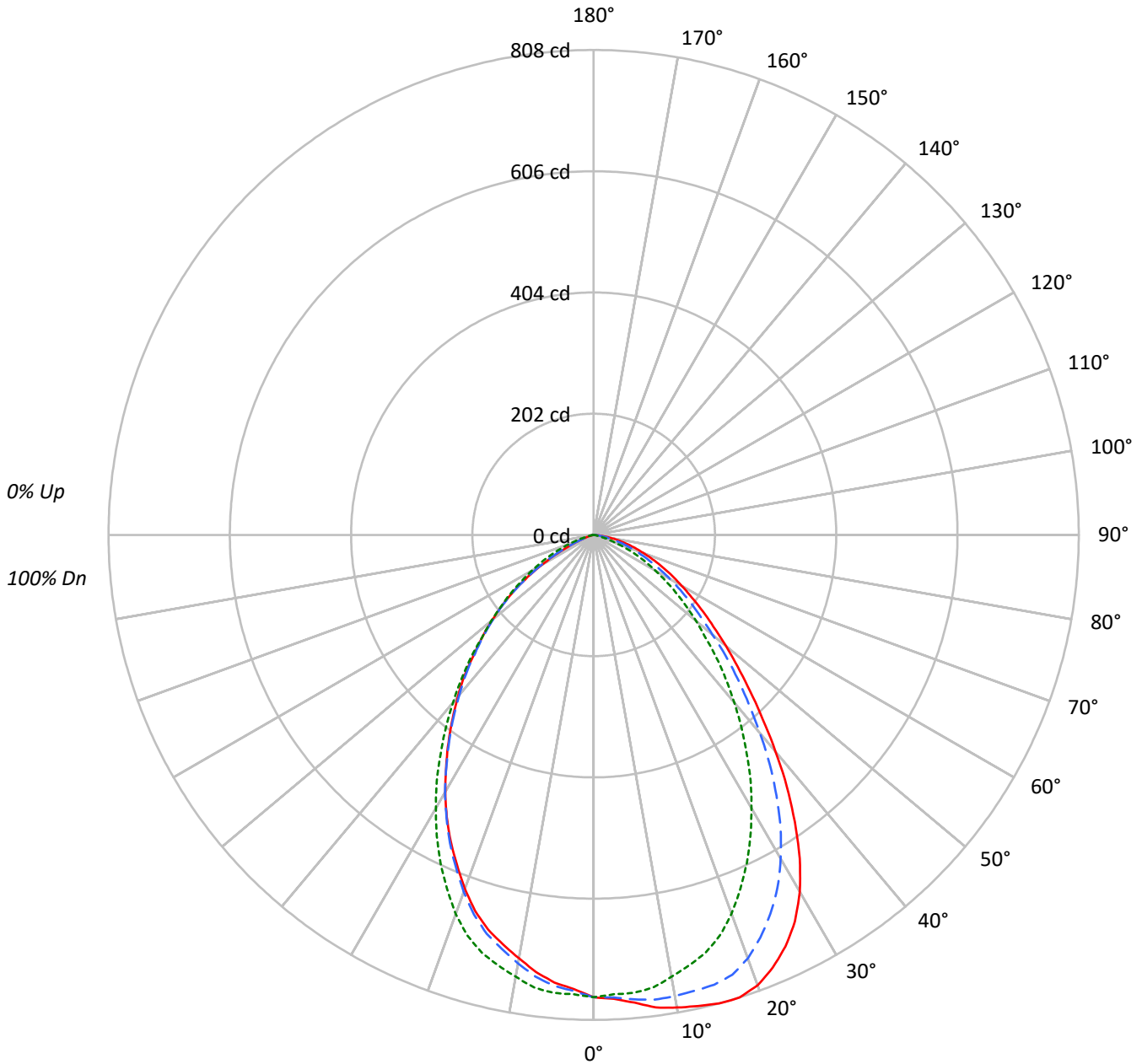
Lumens per Lamp: N/A  
Luminaire Lumens: 1372.7 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: P581745  
CATALOG NUMBER: HCC6S15D010BZ-HM60525835-61WWBB

### Luminous Intensity Polar Plot





TEST NUMBER: P581745  
 CATALOG NUMBER: HCC6S15D010BZ-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	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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89					89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78					78			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69					69			
4	89	79	71	66	87	78	71	65	75	69	64	73	68	64	71	66	63	61					61			
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54					54			
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	49					49			
7	72	60	52	47	70	59	52	47	58	51	46	56	51	46	55	50	46	44					44			
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40					40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37					37			
10	60	48	40	36	58	47	40	36	46	40	36	45	40	35	45	39	35	34					34			

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

	0°	90°	180°
0°	42228	42228	42228
5°	43044	42153	41195
10°	44510	41610	39868
15°	45869	40891	38615
20°	46583	39186	36596
25°	45747	36504	34079
30°	43481	33265	31277
35°	39083	29727	28201
40°	33727	26049	25197
45°	28553	22429	21839
50°	24494	18942	18763
55°	21227	15942	15330
60°	18529	12938	10931
65°	16292	9988	6032
70°	14057	6604	2949
75°	11925	3219	1144
80°	9250	1357	695
85°	5409	692	692



TEST NUMBER: P581745

CATALOG NUMBER: HCC6S15D010BZ-HM60525835-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	72.7	5.3
10°-20°	205.6	15.0
20°-30°	289.5	21.1
30°-40°	295.8	21.5
40°-50°	238.5	17.4
50°-60°	159.9	11.7
60°-70°	80.9	5.9
70°-80°	25.9	1.9
80°-90°	4.0	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°	567.7	41.4
0°-40°	863.5	62.9
0°-60°	1261.9	91.9
0°-90°	1372.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	770	770	770	770	770	
5°	782	777	766	754	749	75
15°	808	776	720	688	680	228
25°	756	697	604	567	563	346
35°	584	531	444	419	421	363
45°	368	339	289	280	282	286
55°	222	197	167	159	160	200
65°	126	104	77	51	46	125
75°	56	40	15	5	5	60
85°	9	4	1	1	1	12
90°	0	0	0	0	0	

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



TEST NUMBER: P581745

CATALOG NUMBER: HCC6S15D010BZ-HM60525835-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3	770.3
2.5°	773.6	772.5	771.3	769.2	766.0	762.7	760.6	758.4	757.3
5°	782.2	780.1	776.8	772.5	766.0	758.4	754.1	749.8	748.6
7.5°	794.2	789.8	781.1	771.3	760.6	749.8	742.2	737.9	734.6
10°	799.6	792.0	780.1	763.9	747.5	734.6	724.8	718.3	716.2
12.5°	803.9	795.2	777.9	756.3	734.6	717.2	706.4	701.0	698.8
15°	808.2	799.6	775.8	747.5	720.5	699.8	687.9	682.6	680.4
17.5°	808.2	796.3	768.2	732.4	699.8	675.0	663.1	657.6	656.6
20°	798.5	785.5	750.8	708.6	671.7	643.5	632.8	629.5	627.3
22.5°	780.1	764.9	725.9	678.3	638.1	611.1	599.2	597.0	594.9
25°	756.3	741.0	696.7	645.7	603.5	576.4	566.6	564.4	563.4
27.5°	725.9	709.6	663.1	611.1	565.6	539.6	530.8	530.8	529.8
30°	686.9	668.5	623.0	571.0	525.5	501.7	495.1	495.1	494.1
32.5°	639.2	620.8	579.6	529.8	486.5	461.5	456.2	458.3	457.2
35°	584.0	568.7	530.8	482.1	444.2	421.4	419.3	421.4	421.4
37.5°	528.7	514.6	482.1	439.9	404.1	383.5	383.5	386.8	385.7
40°	471.3	460.5	430.2	393.3	364.0	349.9	347.8	351.1	352.1
42.5°	417.1	408.5	382.5	352.1	326.1	312.0	315.3	317.5	318.5
45°	368.3	359.7	339.1	307.7	289.3	279.6	279.6	282.7	281.7
47.5°	325.1	318.5	297.9	267.6	251.4	247.0	249.1	251.4	251.4
50°	287.2	277.4	257.9	234.0	222.1	216.7	218.8	220.0	220.0
52.5°	251.4	244.8	225.3	203.7	192.8	189.5	189.5	190.7	190.7
55°	222.1	214.5	197.1	175.5	166.8	162.5	159.2	158.2	160.4
57.5°	194.0	187.4	171.2	150.6	140.9	136.5	130.0	127.8	130.0
60°	169.0	163.6	147.3	127.8	118.0	109.4	101.8	97.5	99.7
62.5°	147.3	140.9	124.6	108.4	97.5	87.7	75.8	69.3	72.6
65°	125.6	120.3	104.0	87.7	77.0	65.0	51.0	46.5	46.5
67.5°	106.1	100.8	85.6	71.5	58.5	44.4	31.4	30.3	31.4
70°	87.7	82.3	69.3	55.3	41.2	27.1	18.4	18.4	18.4
72.5°	72.6	66.1	54.1	40.1	26.0	14.1	9.8	10.8	10.8
75°	56.3	51.0	40.1	27.1	15.2	6.5	5.4	5.4	5.4
77.5°	42.2	37.9	28.1	17.4	7.6	2.2	2.2	2.2	2.2
80°	29.3	25.0	18.4	10.8	4.3	2.2	2.2	2.2	2.2
82.5°	17.4	15.2	10.8	5.4	2.2	1.1	1.1	1.1	1.1
85°	8.6	7.6	4.3	2.2	1.1	1.1	1.1	1.1	1.1
87.5°	2.2	2.2	1.1	1.1	0.0	1.1	1.1	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)