

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: P582951

Luminaire Tested: **HCC6S05D010BZ-HM60525930-61WWBB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582951  
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: HCC6S05D010BZ-HM60525930-61WWBB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

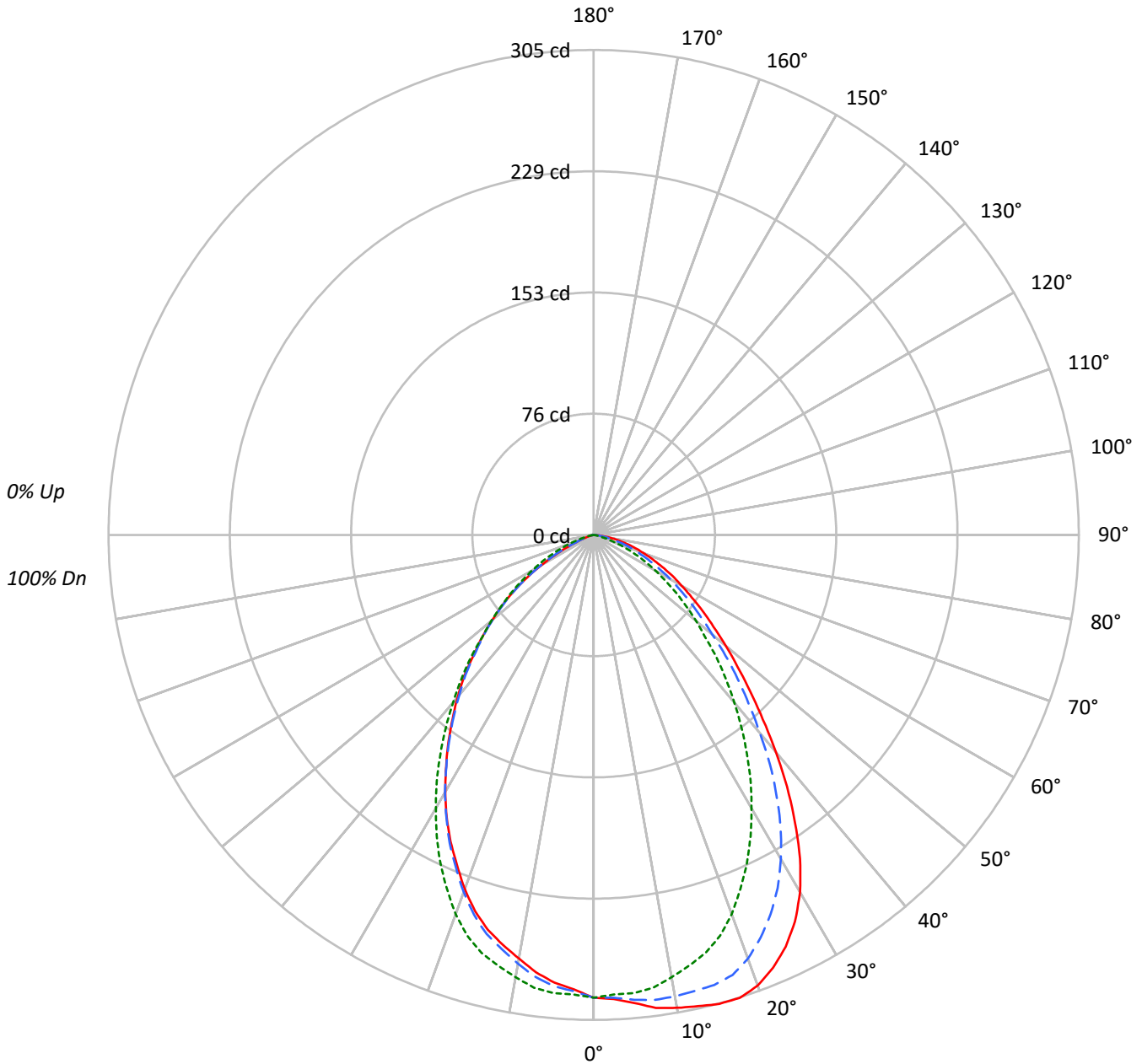
Lumens per Lamp: N/A  
Luminaire Lumens: 518.5 lumens  
Efficiency: N/A  
Efficacy: 86.4 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): NR  
Input Current (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: P582951  
CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61WWBB

### Luminous Intensity Polar Plot



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



TEST NUMBER: P582951

CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61WWBB

**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°	15953	15953	15953
5°	16261	15920	15557
10°	16811	15720	15058
15°	17327	15443	14586
20°	17595	14800	13826
25°	17281	13785	12872
30°	16420	12559	11812
35°	14763	11230	10654
40°	12738	9840	9518
45°	10784	8474	8249
50°	9253	7147	7087
55°	8009	6031	5792
60°	6995	4890	4122
65°	6161	3762	2283
70°	5305	2500	1122
75°	4490	1228	424
80°	3504	505	253
85°	2076	314	314



TEST NUMBER: P582951

CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61WWBB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.5	5.3
10°-20°	77.6	15.0
20°-30°	109.3	21.1
30°-40°	111.7	21.5
40°-50°	90.1	17.4
50°-60°	60.4	11.7
60°-70°	30.6	5.9
70°-80°	9.8	1.9
80°-90°	1.5	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°	214.4	41.4
0°-40°	326.2	62.9
0°-60°	476.6	91.9
0°-90°	518.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	291	291	291	291	291	
5°	296	294	289	285	283	28
15°	305	293	272	260	257	86
25°	286	263	228	214	213	131
35°	221	201	168	158	159	137
45°	139	128	109	106	106	108
55°	84	74	63	60	61	75
65°	48	39	29	19	18	47
75°	21	15	6	2	2	23
85°	3	2	0	0	0	4
90°	0	0	0	0	0	

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



TEST NUMBER: P582951

CATALOG NUMBER: HCC6S05D010BZ-HM60525930-61WWBB

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0
2.5°	292.2	291.8	291.3	290.5	289.3	288.2	287.2	286.5	286.0
5°	295.5	294.6	293.5	291.8	289.3	286.5	284.9	283.2	282.7
7.5°	300.0	298.3	295.0	291.3	287.2	283.2	280.4	278.7	277.4
10°	302.0	299.1	294.6	288.5	282.4	277.4	273.8	271.3	270.5
12.5°	303.6	300.4	293.8	285.7	277.4	270.9	266.8	264.8	264.0
15°	305.3	302.0	293.0	282.4	272.1	264.3	259.9	257.9	257.0
17.5°	305.3	300.8	290.2	276.6	264.3	254.9	250.4	248.4	248.0
20°	301.6	296.7	283.6	267.6	253.7	243.1	239.0	237.8	237.0
22.5°	294.6	288.9	274.1	256.2	241.0	230.9	226.3	225.4	224.6
25°	285.7	279.9	263.2	243.9	227.9	217.8	214.0	213.2	212.8
27.5°	274.1	268.0	250.4	230.9	213.6	203.7	200.6	200.6	200.1
30°	259.4	252.4	235.3	215.7	198.4	189.5	187.0	187.0	186.6
32.5°	241.5	234.5	218.9	200.1	183.7	174.4	172.3	173.1	172.7
35°	220.6	214.8	200.6	182.2	167.8	159.2	158.4	159.2	159.2
37.5°	199.7	194.4	182.2	166.1	152.7	144.9	144.9	146.1	145.7
40°	178.0	173.9	162.5	148.6	137.5	132.2	131.3	132.5	133.0
42.5°	157.5	154.2	144.4	133.0	123.2	117.9	119.1	119.9	120.3
45°	139.1	135.8	128.1	116.2	109.3	105.5	105.5	106.8	106.4
47.5°	122.7	120.3	112.5	101.0	94.9	93.3	94.1	94.9	94.9
50°	108.5	104.8	97.4	88.4	83.8	81.8	82.7	83.1	83.1
52.5°	94.9	92.4	85.1	77.0	72.9	71.6	71.6	72.0	72.0
55°	83.8	81.0	74.5	66.3	63.1	61.4	60.1	59.8	60.6
57.5°	73.2	70.9	64.6	56.8	53.2	51.5	49.2	48.3	49.2
60°	63.8	61.8	55.7	48.3	44.6	41.4	38.4	36.8	37.6
62.5°	55.7	53.2	47.0	40.9	36.8	33.1	28.7	26.2	27.5
65°	47.5	45.4	39.3	33.1	29.0	24.5	19.2	17.6	17.6
67.5°	40.1	38.1	32.3	27.0	22.1	16.7	11.9	11.4	11.9
70°	33.1	31.1	26.2	20.9	15.6	10.3	7.0	7.0	7.0
72.5°	27.5	25.0	20.5	15.1	9.8	5.3	3.7	4.1	4.1
75°	21.2	19.2	15.1	10.3	5.8	2.5	2.0	2.0	2.0
77.5°	15.9	14.4	10.6	6.6	2.8	0.8	0.8	0.8	0.8
80°	11.1	9.4	7.0	4.1	1.6	0.8	0.8	0.8	0.8
82.5°	6.6	5.8	4.1	2.0	0.8	0.5	0.5	0.5	0.5
85°	3.3	2.8	1.6	0.8	0.5	0.5	0.5	0.5	0.5
87.5°	0.8	0.8	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)