

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: P593031

Luminaire Tested: **HCC6S07D010BZ-HM60525850-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593031
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: HCC6S07D010BZ-HM60525850-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

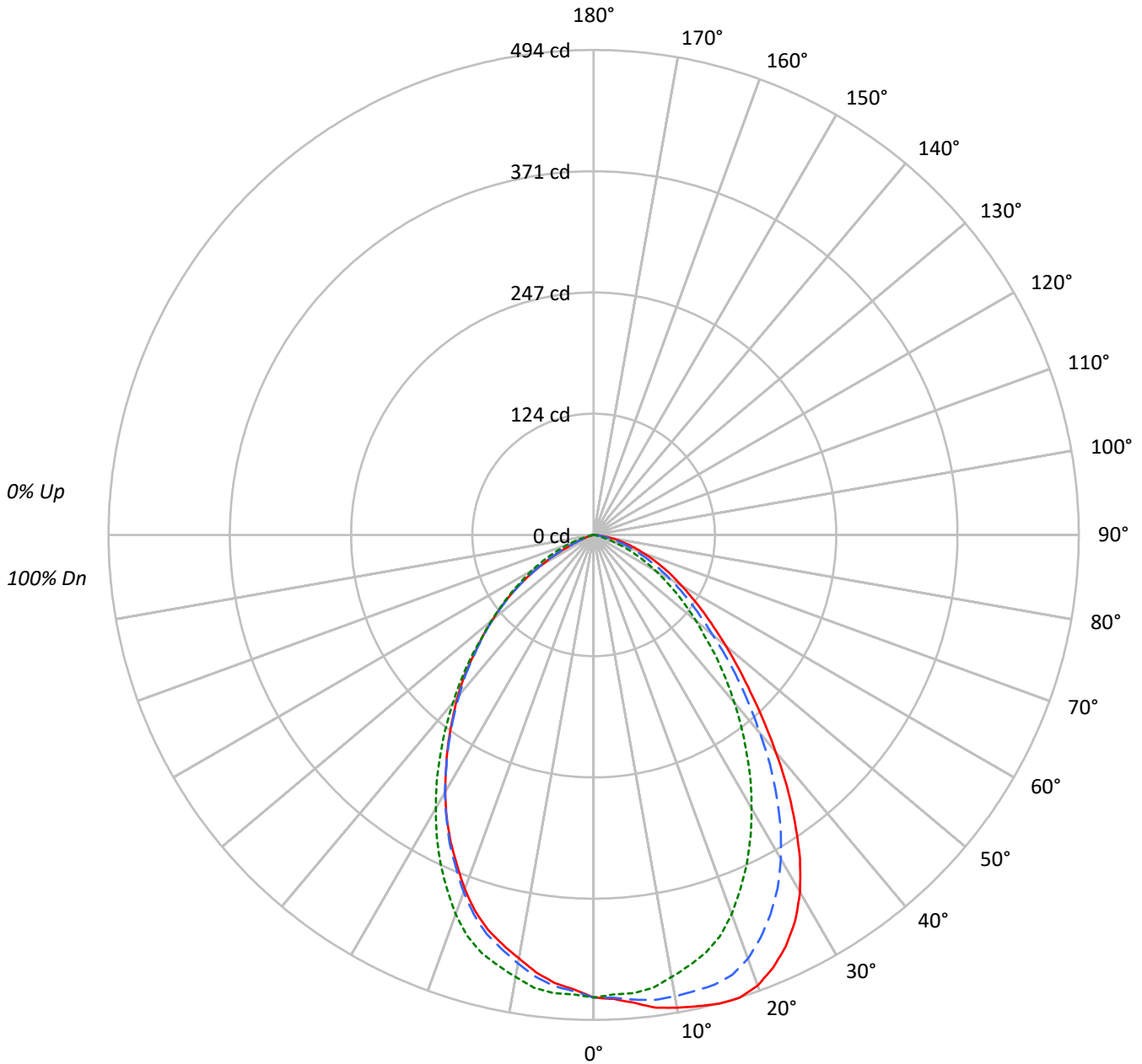
Lumens per Lamp: N/A
Luminaire Lumens: 839.7 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): 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: P593031
CATALOG NUMBER: HCC6S07D010BZ-HM60525850-61WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P593031

CATALOG NUMBER: HCC6S07D010BZ-HM60525850-61WWBB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	25831	25831	25831
5°	26332	25781	25204
10°	27226	25456	24382
15°	28059	25011	23621
20°	28492	23971	22384
25°	27981	22326	20850
30°	26593	20345	19130
35°	23905	18183	17253
40°	20624	15930	15415
45°	17475	13722	13358
50°	14976	11582	11471
55°	12979	9758	9376
60°	11326	7927	6688
65°	9975	6097	3710
70°	8607	4039	1795
75°	7286	1970	699
80°	5651	821	442
85°	3334	440	440



TEST NUMBER: P593031
 CATALOG NUMBER: HCC6S07D010BZ-HM60525850-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	5.3
10°-20°	125.7	15.0
20°-30°	177.1	21.1
30°-40°	180.9	21.5
40°-50°	145.9	17.4
50°-60°	97.8	11.7
60°-70°	49.5	5.9
70°-80°	15.8	1.9
80°-90°	2.5	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°	347.3	41.4
0°-40°	528.2	62.9
0°-60°	771.9	91.9
0°-90°	839.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	471	471	471	471	471	
5°	478	475	468	461	458	46
15°	494	474	441	421	416	140
25°	463	426	369	347	345	212
35°	357	325	272	256	258	222
45°	225	208	177	171	172	175
55°	136	121	102	97	98	122
65°	77	64	47	31	29	77
75°	34	24	9	3	3	37
85°	5	3	1	1	1	7
90°	0	0	0	0	0	

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



TEST NUMBER: P593031

CATALOG NUMBER: HCC6S07D010BZ-HM60525850-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	471.2	471.2	471.2	471.2	471.2	471.2	471.2	471.2	471.2
2.5°	473.1	472.6	471.9	470.5	468.5	466.6	465.2	463.9	463.3
5°	478.5	477.1	475.2	472.6	468.5	463.9	461.2	458.6	458.0
7.5°	485.7	483.1	477.8	471.9	465.2	458.6	454.0	451.3	449.3
10°	489.1	484.5	477.1	467.2	457.3	449.3	443.3	439.4	438.0
12.5°	491.7	486.4	475.9	462.6	449.3	438.7	432.1	428.7	427.5
15°	494.4	489.1	474.5	457.3	440.7	428.2	420.8	417.5	416.2
17.5°	494.4	487.1	469.9	448.0	428.2	412.9	405.6	402.2	401.6
20°	488.4	480.5	459.3	433.4	410.9	393.6	387.0	385.0	383.7
22.5°	477.1	467.9	444.0	414.9	390.3	373.8	366.5	365.2	363.8
25°	462.6	453.3	426.1	395.0	369.1	352.6	346.6	345.2	344.7
27.5°	444.0	434.1	405.6	373.8	345.9	330.0	324.7	324.7	324.0
30°	420.1	408.9	381.0	349.3	321.4	306.8	302.9	302.9	302.2
32.5°	391.0	379.8	354.5	324.0	297.5	282.3	279.1	280.3	279.6
35°	357.2	347.9	324.7	294.9	271.7	257.8	256.5	257.8	257.8
37.5°	323.4	314.7	294.9	269.1	247.2	234.6	234.6	236.6	235.9
40°	288.2	281.7	263.1	240.5	222.6	214.0	212.8	214.7	215.4
42.5°	255.2	249.8	234.0	215.4	199.5	190.9	192.8	194.2	194.9
45°	225.4	220.0	207.5	188.2	177.0	171.0	171.0	173.0	172.3
47.5°	198.8	194.9	182.3	163.7	153.7	151.1	152.4	153.7	153.7
50°	175.6	169.6	157.7	143.1	135.8	132.6	133.9	134.5	134.5
52.5°	153.7	149.8	137.9	124.6	117.9	116.0	116.0	116.6	116.6
55°	135.8	131.2	120.7	107.4	102.1	99.4	97.4	96.8	98.1
57.5°	118.6	114.7	104.7	92.1	86.1	83.5	79.5	78.2	79.5
60°	103.3	100.0	90.1	78.2	72.3	67.0	62.3	59.6	61.0
62.5°	90.1	86.1	76.3	66.3	59.6	53.7	46.3	42.4	44.4
65°	76.9	73.5	63.7	53.7	47.0	39.8	31.2	28.6	28.6
67.5°	64.9	61.6	52.3	43.7	35.8	27.2	19.3	18.6	19.3
70°	53.7	50.4	42.4	33.8	25.2	16.5	11.2	11.2	11.2
72.5°	44.4	40.4	33.1	24.5	15.9	8.6	6.0	6.6	6.6
75°	34.4	31.2	24.5	16.5	9.3	4.0	3.3	3.3	3.3
77.5°	25.8	23.2	17.2	10.7	4.6	1.4	1.4	1.4	1.4
80°	17.9	15.3	11.2	6.6	2.6	1.4	1.4	1.4	1.4
82.5°	10.7	9.3	6.6	3.3	1.4	0.7	0.7	0.7	0.7
85°	5.3	4.6	2.6	1.4	0.7	0.7	0.7	0.7	0.7
87.5°	1.4	1.4	0.7	0.7	0.0	0.7	0.7	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)