

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: P583312

Luminaire Tested: **HCC6S07D010BZ-HM60525830-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S07D010BZ-HM60525830-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

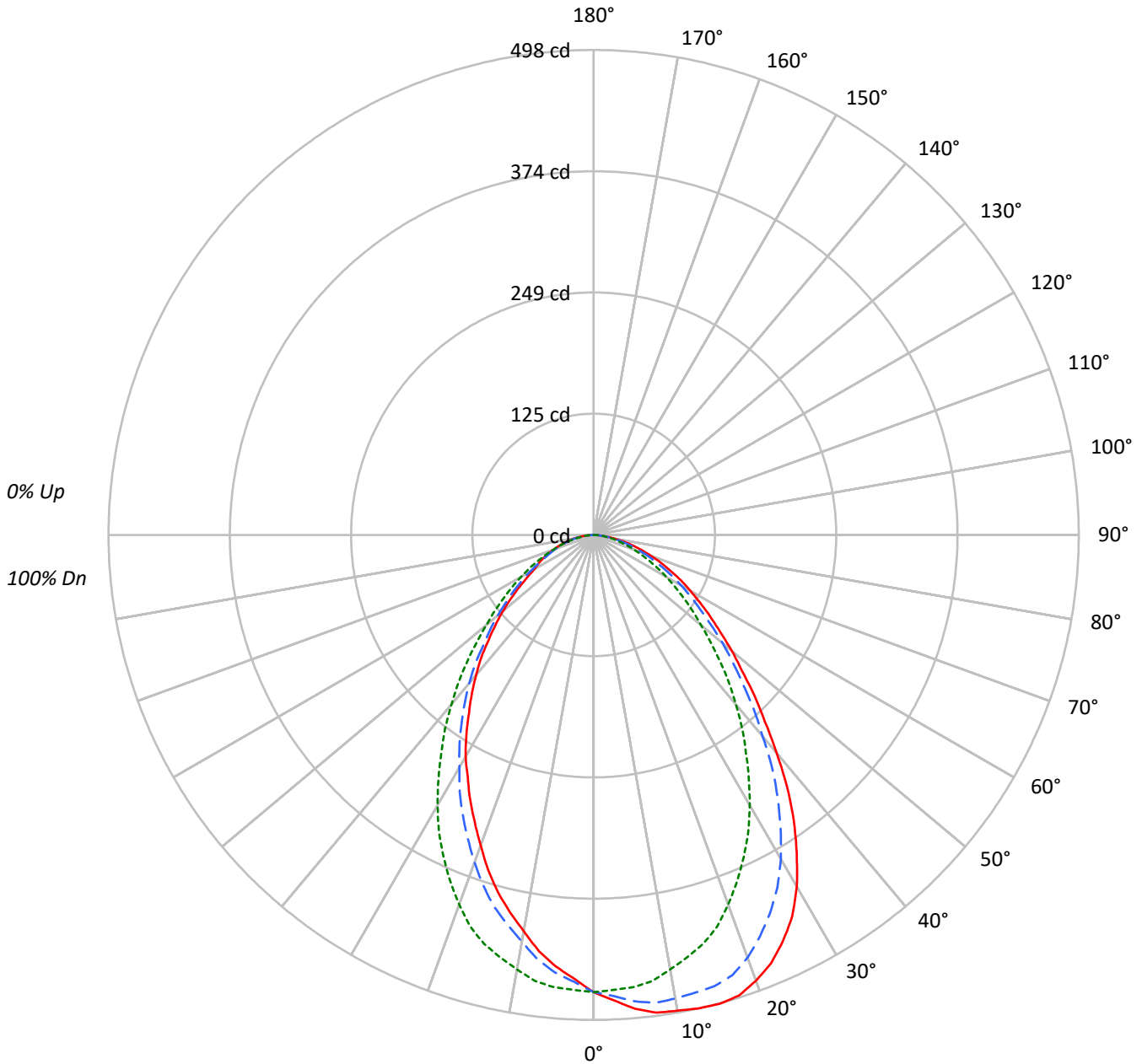
Lumens per Lamp: N/A
Luminaire Lumens: 874.5 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P583312
CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P583312

CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61WWW

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	25738	25738	25738
5°	26876	25660	24477
10°	27610	25222	23001
15°	28292	24671	21555
20°	28422	23557	19794
25°	27824	22054	18152
30°	26403	20282	16642
35°	23979	18230	14931
40°	20896	16230	13425
45°	18079	14203	11807
50°	15786	12230	10345
55°	13945	10752	8879
60°	12532	9418	7686
65°	11233	8198	7472
70°	10018	6988	6988
75°	8705	5888	6545
80°	6977	4956	5967
85°	4780	4340	5221



TEST NUMBER: P583312
 CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	5.0
10°-20°	122.7	14.0
20°-30°	170.9	19.5
30°-40°	176.1	20.1
40°-50°	146.0	16.7
50°-60°	104.9	12.0
60°-70°	66.8	7.6
70°-80°	34.3	3.9
80°-90°	8.7	1.0
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°	337.7	38.6
0°-40°	513.8	58.8
0°-60°	764.7	87.4
0°-90°	874.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	470	470	470	470	470	
5°	488	481	466	451	445	47
15°	498	480	435	395	380	141
25°	460	428	365	318	300	211
35°	358	329	272	236	223	223
45°	233	217	183	160	152	180
55°	146	134	112	100	93	131
65°	87	77	63	55	58	87
75°	41	35	28	29	31	44
85°	8	7	7	8	8	10
90°	0	0	0	0	0	

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



TEST NUMBER: P583312

CATALOG NUMBER: HCC6S07D010BZ-HM60525830-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5
2.5°	478.4	476.4	473.9	471.4	467.6	463.2	459.4	458.1	456.3
5°	488.4	485.9	480.8	474.5	466.3	458.1	451.2	446.7	444.8
7.5°	494.8	491.6	484.7	473.9	461.9	449.9	439.8	433.5	431.0
10°	496.0	492.9	483.3	468.8	453.1	436.7	424.0	416.4	413.2
12.5°	498.0	493.5	481.5	464.4	444.2	425.2	409.5	399.9	396.8
15°	498.5	493.5	479.6	458.8	434.7	412.0	395.0	383.5	379.8
17.5°	496.0	490.4	473.9	448.7	421.5	397.5	377.3	365.3	360.2
20°	487.2	480.8	461.9	433.5	403.8	378.5	357.7	345.0	339.3
22.5°	475.9	467.6	446.1	415.8	384.8	358.3	337.4	324.8	319.1
25°	460.0	452.4	428.4	396.2	364.6	336.8	317.8	304.6	300.1
27.5°	441.6	432.8	408.2	375.9	343.8	316.0	297.6	285.6	280.0
30°	417.1	408.8	384.2	351.9	320.4	294.5	275.5	265.3	262.9
32.5°	387.9	381.0	357.0	326.6	296.4	272.4	256.5	245.7	243.3
35°	358.3	350.1	329.2	300.8	272.4	250.8	236.3	226.8	223.1
37.5°	326.1	318.5	300.8	275.5	250.3	230.0	217.4	209.2	205.4
40°	292.0	286.2	269.8	249.6	226.8	209.2	198.4	191.5	187.6
42.5°	260.4	254.7	243.3	224.3	205.4	189.6	180.0	173.8	170.6
45°	233.2	228.1	216.7	200.3	183.2	170.0	159.9	155.4	152.3
47.5°	206.0	203.5	193.4	178.2	162.4	151.0	144.1	139.0	136.5
50°	185.1	182.0	172.6	156.7	143.4	134.6	128.3	123.8	121.3
52.5°	163.6	160.5	151.7	138.3	127.7	119.4	113.1	109.3	106.8
55°	145.9	143.4	133.9	121.9	112.5	105.5	99.8	95.4	92.9
57.5°	129.5	127.0	118.2	106.8	98.6	92.2	87.2	83.4	80.2
60°	114.3	112.5	103.7	92.9	85.9	79.6	75.2	72.1	70.1
62.5°	101.1	97.3	89.7	80.2	74.0	68.9	64.5	62.5	63.8
65°	86.6	84.6	77.0	68.9	63.2	58.1	55.0	56.2	57.6
67.5°	74.6	72.1	65.7	58.1	53.0	49.3	47.4	50.0	50.5
70°	62.5	60.0	54.4	48.0	43.6	41.1	41.1	42.9	43.6
72.5°	51.2	49.3	44.2	39.2	36.0	34.1	35.3	36.6	37.3
75°	41.1	39.2	35.3	30.9	27.8	27.8	29.1	30.4	30.9
77.5°	31.6	30.4	26.5	23.3	22.1	22.1	23.3	24.0	24.7
80°	22.1	20.8	18.9	17.1	15.7	17.1	18.4	18.4	18.9
82.5°	14.5	13.9	12.7	11.3	11.3	12.0	12.7	13.3	13.3
85°	7.6	7.6	6.9	6.3	6.9	7.6	7.6	8.3	8.3
87.5°	2.5	2.5	2.5	2.5	3.2	3.2	3.2	3.2	3.2
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)