

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: P583383

Luminaire Tested: **HCC6S07D010MW-HM60525930-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583383
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: HCC6S07D010MW-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

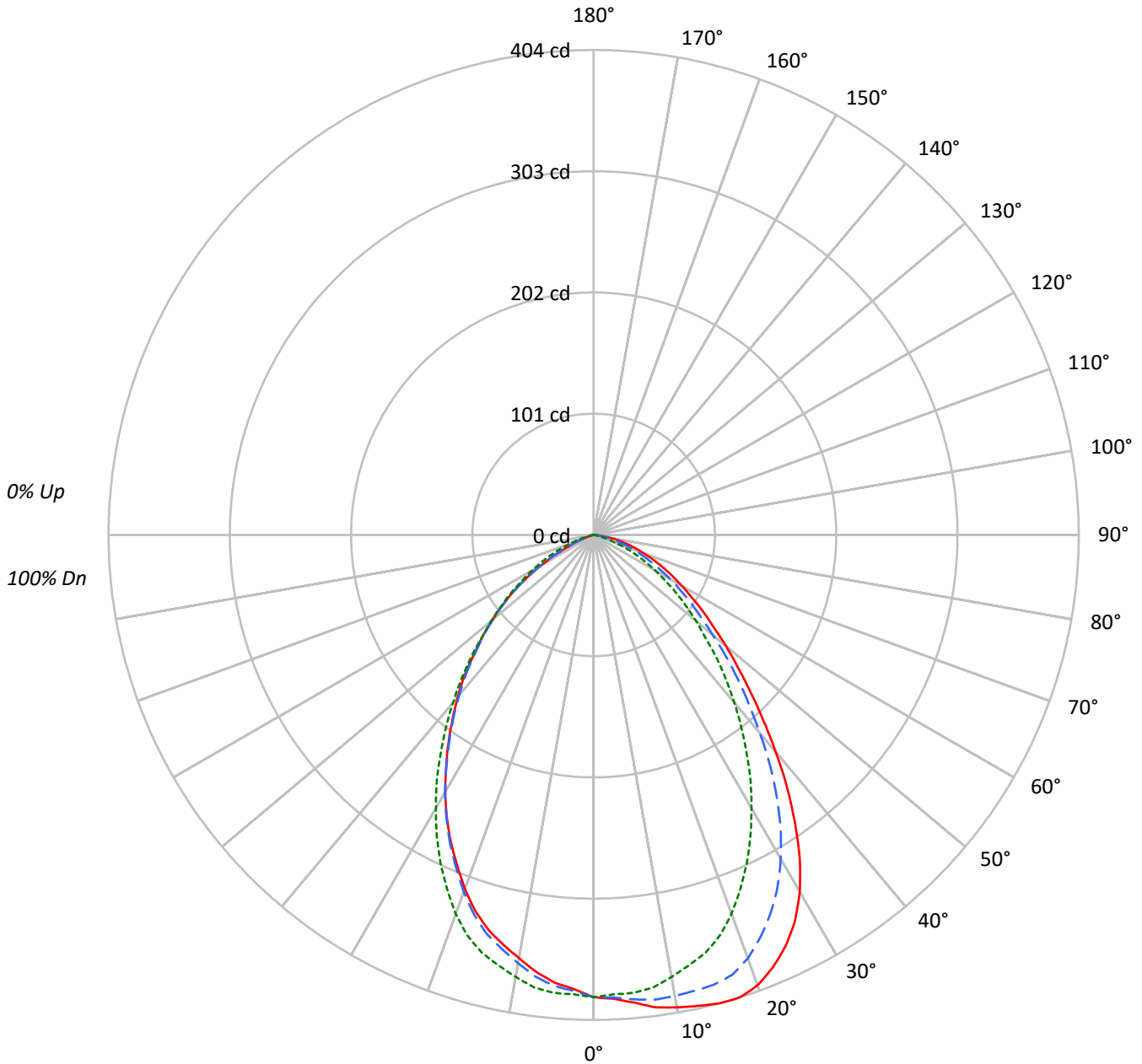
Lumens per Lamp: N/A
Luminaire Lumens: 686.3 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P583383
CATALOG NUMBER: HCC6S07D010MW-HM60525930-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P583383

CATALOG NUMBER: HCC6S07D010MW-HM60525930-61WWBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	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°	21111	21111	21111
5°	21522	21076	20598
10°	22250	20808	19928
15°	22934	20443	19302
20°	23295	19590	18295
25°	22870	18249	17039
30°	21738	16629	15635
35°	19542	14864	14101
40°	16867	13024	12602
45°	14281	11218	10916
50°	12247	9467	9381
55°	10609	7971	7665
60°	9265	6469	5471
65°	8159	4981	3022
70°	7020	3302	1475
75°	5973	1610	572
80°	4609	695	347
85°	2705	377	377



TEST NUMBER: P583383
 CATALOG NUMBER: HCC6S07D010MW-HM60525930-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	5.3
10°-20°	102.8	15.0
20°-30°	144.7	21.1
30°-40°	147.9	21.5
40°-50°	119.2	17.4
50°-60°	80.0	11.7
60°-70°	40.5	5.9
70°-80°	12.9	1.9
80°-90°	2.0	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°	283.9	41.4
0°-40°	431.7	62.9
0°-60°	630.9	91.9
0°-90°	686.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	385	385	385	385	385	
5°	391	388	383	377	374	38
15°	404	388	360	344	340	114
25°	378	348	302	283	282	173
35°	292	266	222	210	211	182
45°	184	170	145	140	141	143
55°	111	99	83	80	80	100
65°	63	52	38	26	23	63
75°	28	20	8	3	3	30
85°	4	2	1	1	1	6
90°	0	0	0	0	0	

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



TEST NUMBER: P583383

CATALOG NUMBER: HCC6S07D010MW-HM60525930-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1	385.1
2.5°	386.8	386.2	385.7	384.5	383.0	381.4	380.2	379.2	378.6
5°	391.1	390.0	388.4	386.2	383.0	379.2	377.1	374.8	374.3
7.5°	397.0	394.9	390.5	385.7	380.2	374.8	371.1	368.9	367.2
10°	399.7	396.0	390.0	381.9	373.8	367.2	362.3	359.2	358.0
12.5°	401.9	397.6	389.0	378.1	367.2	358.6	353.2	350.4	349.4
15°	404.1	399.7	387.8	373.8	360.2	349.9	344.0	341.3	340.1
17.5°	404.1	398.1	384.1	366.2	349.9	337.5	331.5	328.8	328.2
20°	399.3	392.7	375.4	354.3	335.8	321.8	316.3	314.7	313.6
22.5°	390.0	382.4	362.9	339.1	319.1	305.5	299.6	298.4	297.4
25°	378.1	370.5	348.3	322.8	301.7	288.1	283.2	282.2	281.7
27.5°	362.9	354.9	331.5	305.5	282.8	269.8	265.5	265.5	264.9
30°	343.4	334.2	311.5	285.5	262.7	250.8	247.6	247.6	247.0
32.5°	319.6	310.3	289.8	264.9	243.3	230.8	228.1	229.1	228.6
35°	292.0	284.4	265.5	241.1	222.1	210.7	209.6	210.7	210.7
37.5°	264.3	257.3	241.1	219.9	202.0	191.7	191.7	193.4	192.8
40°	235.7	230.2	215.0	196.6	182.0	174.9	173.9	175.5	176.1
42.5°	208.6	204.2	191.3	176.1	163.0	156.0	157.6	158.7	159.3
45°	184.2	179.8	169.5	153.9	144.7	139.7	139.7	141.4	140.8
47.5°	162.5	159.3	149.0	133.8	125.6	123.5	124.6	125.6	125.6
50°	143.6	138.7	128.9	117.0	111.0	108.3	109.4	110.0	110.0
52.5°	125.6	122.4	112.6	101.9	96.4	94.8	94.8	95.3	95.3
55°	111.0	107.3	98.6	87.8	83.4	81.2	79.6	79.1	80.2
57.5°	97.0	93.7	85.5	75.3	70.5	68.2	65.0	63.9	65.0
60°	84.5	81.8	73.6	63.9	59.0	54.7	50.9	48.7	49.9
62.5°	73.6	70.5	62.3	54.2	48.7	43.8	38.0	34.7	36.3
65°	62.9	60.2	52.0	43.8	38.4	32.5	25.5	23.3	23.3
67.5°	53.1	50.4	42.8	35.8	29.2	22.2	15.7	15.2	15.7
70°	43.8	41.1	34.7	27.6	20.6	13.6	9.2	9.2	9.2
72.5°	36.3	33.1	27.1	20.1	13.0	7.0	4.9	5.4	5.4
75°	28.2	25.5	20.1	13.6	7.6	3.3	2.7	2.7	2.7
77.5°	21.1	18.9	14.0	8.6	3.7	1.1	1.1	1.1	1.1
80°	14.6	12.5	9.2	5.4	2.2	1.1	1.1	1.1	1.1
82.5°	8.6	7.6	5.4	2.7	1.1	0.6	0.6	0.6	0.6
85°	4.3	3.7	2.2	1.1	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	0.6	0.6	0.0	0.6	0.6	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)