

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: P583377

Luminaire Tested: **HCC6W07D010SL-HM60525930-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W07D010SL-HM60525930-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

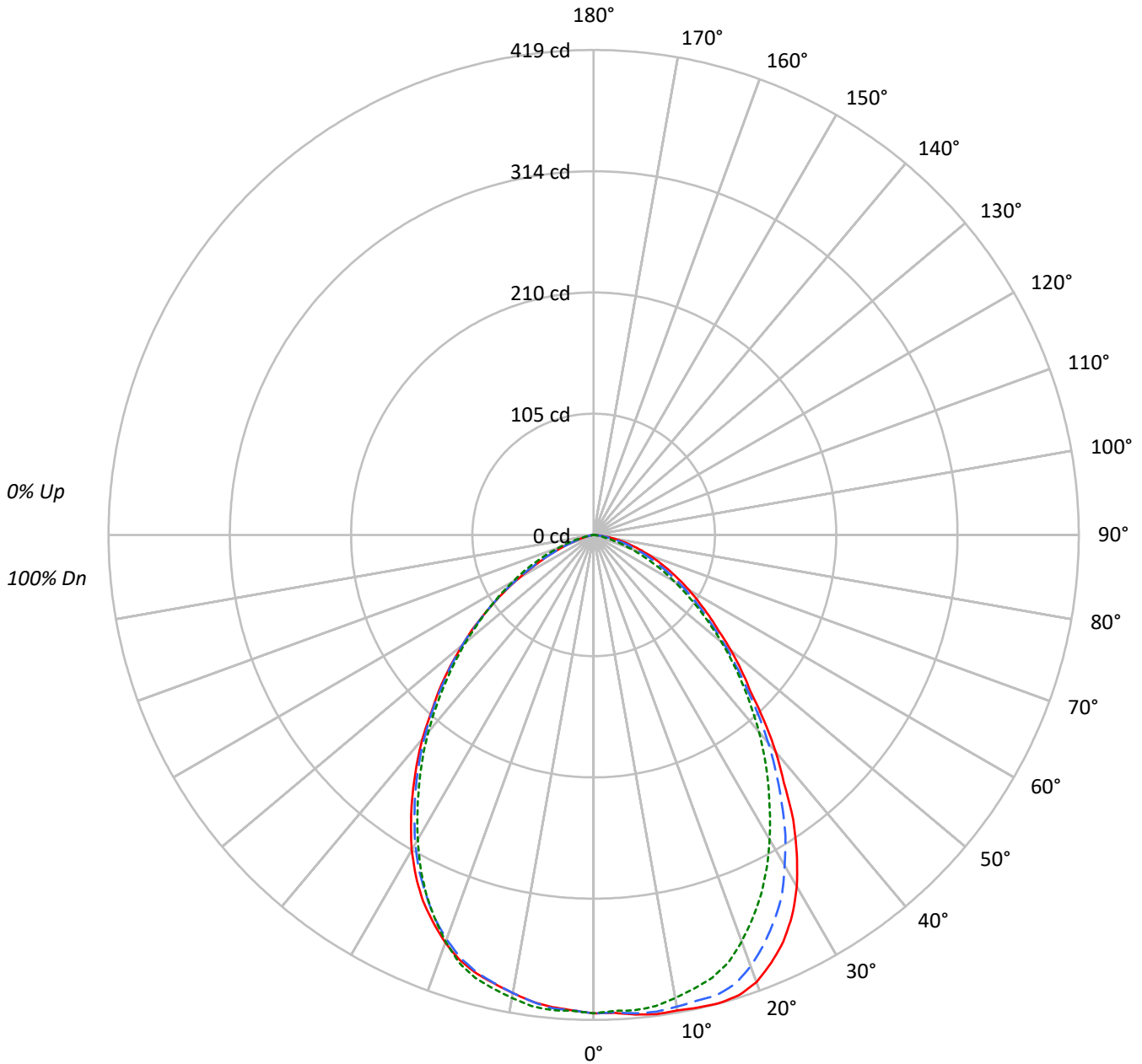
Lumens per Lamp: N/A
Luminaire Lumens: 809.8 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P583377
CATALOG NUMBER: HCC6W07D010SL-HM60525930-61RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P583377

CATALOG NUMBER: HCC6W07D010SL-HM60525930-61RWWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77				77
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67				67
4	88	78	70	64	86	76	69	64	74	68	63	72	66	62	70	65	61	59				59
5	82	70	62	57	80	69	62	56	67	61	56	65	60	55	64	59	55	53				53
6	76	64	56	50	74	63	56	50	61	55	50	60	54	49	58	53	49	47				47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42				42
8	66	54	46	41	65	53	46	41	52	45	41	51	45	40	50	44	40	38				38
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35				35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32				32

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	22657	22657	22657
5°	22892	22683	22535
10°	23218	22617	22372
15°	23769	22475	22253
20°	23989	21807	21865
25°	23457	20705	21104
30°	22219	19237	19889
35°	20117	17581	18237
40°	17519	15894	16474
45°	14862	14071	14575
50°	13168	12290	12614
55°	11593	10504	10456
60°	10394	8848	8135
65°	9275	7095	5837
70°	8158	5129	3654
75°	6884	3092	2055
80°	5304	1357	852
85°	3082	377	377



TEST NUMBER: P583377

CATALOG NUMBER: HCC6W07D010SL-HM60525930-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.2	4.8
10°-20°	112.8	13.9
20°-30°	163.0	20.1
30°-40°	171.5	21.2
40°-50°	144.2	17.8
50°-60°	101.2	12.5
60°-70°	55.7	6.9
70°-80°	19.8	2.4
80°-90°	2.6	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°	315.0	38.9
0°-40°	486.5	60.1
0°-60°	731.8	90.4
0°-90°	809.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	809.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	413	413	413	413	413	
5°	416	415	412	411	410	40
15°	419	412	396	391	392	118
25°	388	368	342	343	349	177
35°	301	283	263	268	272	186
45°	192	186	182	186	188	150
55°	121	115	110	110	109	109
65°	72	64	55	45	45	71
75°	32	26	15	10	10	35
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: P583377

CATALOG NUMBER: HCC6W07D010SL-HM60525930-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3	413.3
2.5°	413.3	413.3	412.8	412.8	411.6	411.6	411.2	411.2	411.2
5°	416.0	416.0	414.9	413.3	412.2	410.6	410.6	410.0	409.5
7.5°	417.6	417.1	415.5	413.3	410.6	407.9	406.7	407.3	406.7
10°	417.1	416.0	413.8	409.5	406.3	402.4	401.9	401.4	401.9
12.5°	418.2	416.5	412.2	406.7	401.4	397.0	396.6	396.6	397.0
15°	418.8	417.1	411.6	403.6	396.0	391.6	391.1	391.6	392.1
17.5°	417.1	414.9	406.7	396.0	387.3	383.0	383.0	384.1	385.1
20°	411.2	407.9	396.6	383.5	373.8	370.5	371.6	373.8	374.8
22.5°	400.3	396.6	383.5	368.9	358.6	355.9	358.6	361.3	362.3
25°	387.8	383.5	368.3	353.2	342.3	339.1	342.8	347.2	348.9
27.5°	371.1	366.2	352.0	334.7	323.9	322.3	326.6	331.5	332.5
30°	351.0	345.6	329.8	313.6	303.9	303.3	308.2	312.5	314.2
32.5°	326.6	321.8	308.2	292.0	283.2	283.2	288.1	292.0	293.6
35°	300.6	295.3	283.2	269.8	262.7	263.2	268.1	270.8	272.5
37.5°	269.8	268.1	258.9	247.6	242.7	243.7	247.6	249.7	251.3
40°	244.8	240.5	234.5	225.4	222.1	223.2	226.9	229.1	230.2
42.5°	217.8	215.0	210.2	203.7	201.4	203.1	206.3	208.0	207.5
45°	191.7	191.3	186.4	182.5	181.5	183.7	185.8	187.4	188.0
47.5°	172.8	170.6	166.3	163.6	162.5	164.6	166.8	167.9	167.9
50°	154.4	152.2	147.9	145.1	144.1	146.3	147.9	149.0	147.9
52.5°	136.0	133.8	130.0	126.8	126.2	127.2	127.8	128.4	129.5
55°	121.3	119.2	114.9	111.0	109.9	110.5	109.9	109.9	109.4
57.5°	107.3	105.0	100.7	96.4	94.8	94.3	92.7	92.1	91.5
60°	94.8	92.1	87.7	82.8	80.7	78.5	75.8	74.2	74.2
62.5°	82.8	80.2	75.3	70.9	67.8	63.9	59.6	57.4	57.4
65°	71.5	69.3	63.9	59.0	54.7	49.9	45.0	43.8	45.0
67.5°	60.6	58.5	53.1	48.2	42.8	36.8	32.5	32.5	33.5
70°	50.9	48.7	43.8	38.0	32.0	25.9	22.8	22.8	22.8
72.5°	41.7	39.5	34.1	28.7	22.8	16.8	15.2	15.7	15.2
75°	32.5	30.9	25.9	20.1	14.6	10.3	9.7	9.2	9.7
77.5°	24.4	22.8	18.5	13.0	8.2	6.0	5.4	5.4	5.4
80°	16.8	15.2	11.9	7.6	4.3	2.7	2.7	2.7	2.7
82.5°	10.3	8.6	6.5	3.7	1.6	1.6	1.6	1.6	1.6
85°	4.9	3.7	2.7	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)