

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: P583419

Luminaire Tested: **HCC6W07D010MW-HM60525940-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583419
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: HCC6W07D010MW-HM60525940-61WWBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

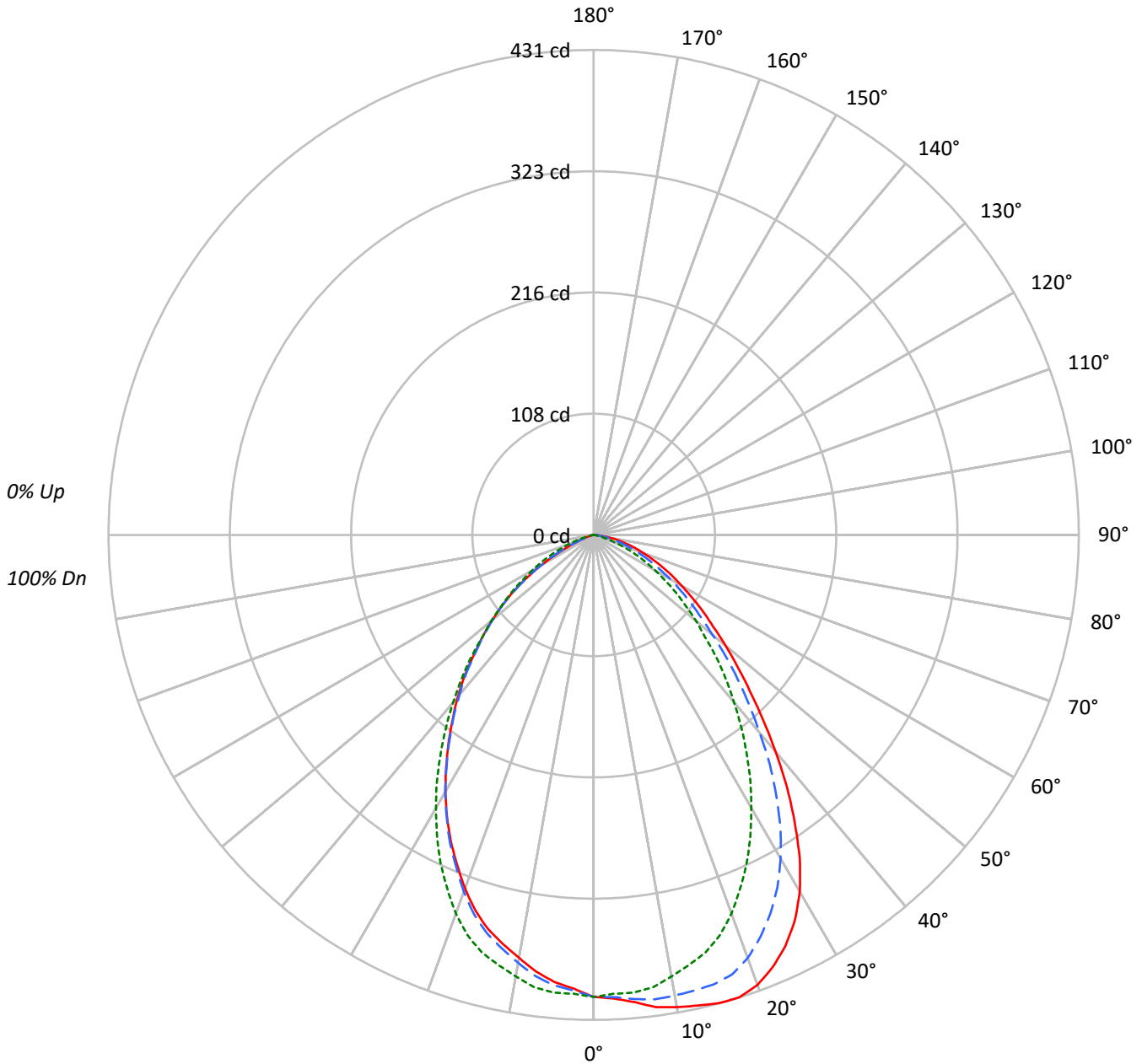
Lumens per Lamp: N/A
Luminaire Lumens: 731.6 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P583419
CATALOG NUMBER: HCC6W07D010MW-HM60525940-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P583419

CATALOG NUMBER: HCC6W07D010MW-HM60525940-61WWBB

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°	22504	22504	22504
5°	22936	22463	21951
10°	23719	22177	21248
15°	24450	21794	20579
20°	24829	20885	19503
25°	24376	19459	18158
30°	23174	17731	16667
35°	20826	15841	15031
40°	17977	13883	13425
45°	15219	11955	11637
50°	13049	10098	10004
55°	11316	8497	8162
60°	9879	6896	5822
65°	8691	5318	3217
70°	7501	3526	1587
75°	6354	1694	593
80°	4925	726	347
85°	2893	377	377



TEST NUMBER: P583419
 CATALOG NUMBER: HCC6W07D010MW-HM60525940-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.7	5.3
10°-20°	109.6	15.0
20°-30°	154.3	21.1
30°-40°	157.6	21.5
40°-50°	127.1	17.4
50°-60°	85.2	11.7
60°-70°	43.1	5.9
70°-80°	13.8	1.9
80°-90°	2.1	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°	302.6	41.4
0°-40°	460.2	62.9
0°-60°	672.5	91.9
0°-90°	731.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	410	410	410	410	410	
5°	417	414	408	402	399	40
15°	431	413	384	367	363	122
25°	403	371	322	302	300	185
35°	311	283	237	223	225	194
45°	196	181	154	149	150	153
55°	118	105	89	85	85	106
65°	67	55	41	27	25	67
75°	30	21	8	3	3	32
85°	5	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: P583419

CATALOG NUMBER: HCC6W07D010MW-HM60525940-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5	410.5
2.5°	412.3	411.7	411.1	409.9	408.2	406.5	405.3	404.1	403.6
5°	416.8	415.7	414.0	411.7	408.2	404.1	401.9	399.6	398.9
7.5°	423.2	420.9	416.3	411.1	405.3	399.6	395.5	393.2	391.5
10°	426.1	422.0	415.7	407.1	398.4	391.5	386.2	382.8	381.7
12.5°	428.4	423.9	414.6	403.0	391.5	382.3	376.5	373.6	372.4
15°	430.8	426.1	413.4	398.4	384.0	373.0	366.6	363.8	362.6
17.5°	430.8	424.4	409.4	390.3	373.0	359.7	353.4	350.4	349.9
20°	425.6	418.6	400.2	377.6	358.0	343.0	337.2	335.5	334.3
22.5°	415.7	407.7	386.8	361.4	340.1	325.6	319.3	318.1	317.0
25°	403.0	395.0	371.3	344.1	321.7	307.2	301.9	300.8	300.2
27.5°	386.8	378.2	353.4	325.6	301.4	287.6	282.9	282.9	282.3
30°	366.1	356.2	332.0	304.3	280.1	267.3	263.9	263.9	263.3
32.5°	340.7	330.8	308.9	282.3	259.2	246.0	243.0	244.3	243.7
35°	311.2	303.1	282.9	257.0	236.7	224.6	223.4	224.6	224.6
37.5°	281.8	274.3	257.0	234.4	215.4	204.4	204.4	206.1	205.5
40°	251.2	245.4	229.2	209.6	194.0	186.5	185.4	187.1	187.6
42.5°	222.3	217.6	203.8	187.6	173.8	166.3	168.0	169.2	169.7
45°	196.3	191.7	180.7	163.9	154.2	149.0	149.0	150.7	150.1
47.5°	173.2	169.7	158.7	142.6	133.9	131.7	132.8	133.9	133.9
50°	153.0	147.9	137.4	124.7	118.4	115.5	116.6	117.3	117.3
52.5°	133.9	130.5	120.1	108.5	102.8	101.1	101.1	101.6	101.6
55°	118.4	114.3	105.0	93.6	88.9	86.6	84.9	84.3	85.4
57.5°	103.3	99.9	91.2	80.2	75.0	72.7	69.3	68.1	69.3
60°	90.1	87.2	78.5	68.1	62.9	58.3	54.3	52.0	53.1
62.5°	78.5	75.0	66.4	57.8	52.0	46.8	40.4	36.9	38.6
65°	67.0	64.1	55.4	46.8	41.0	34.7	27.2	24.8	24.8
67.5°	56.5	53.7	45.7	38.1	31.2	23.7	16.8	16.2	16.8
70°	46.8	43.8	36.9	29.5	22.0	14.4	9.9	9.9	9.9
72.5°	38.6	35.2	28.9	21.4	13.8	7.5	5.2	5.8	5.8
75°	30.0	27.2	21.4	14.4	8.0	3.5	2.8	2.8	2.8
77.5°	22.5	20.2	15.0	9.3	4.1	1.1	1.1	1.1	1.1
80°	15.6	13.3	9.9	5.8	2.3	1.1	1.1	1.1	1.1
82.5°	9.3	8.0	5.8	2.8	1.1	0.6	0.6	0.6	0.6
85°	4.6	4.1	2.3	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)