

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: P581799

Luminaire Tested: **HCC6W15D010MW-HM60525930-61WWBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581799
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: HCC6W15D010MW-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

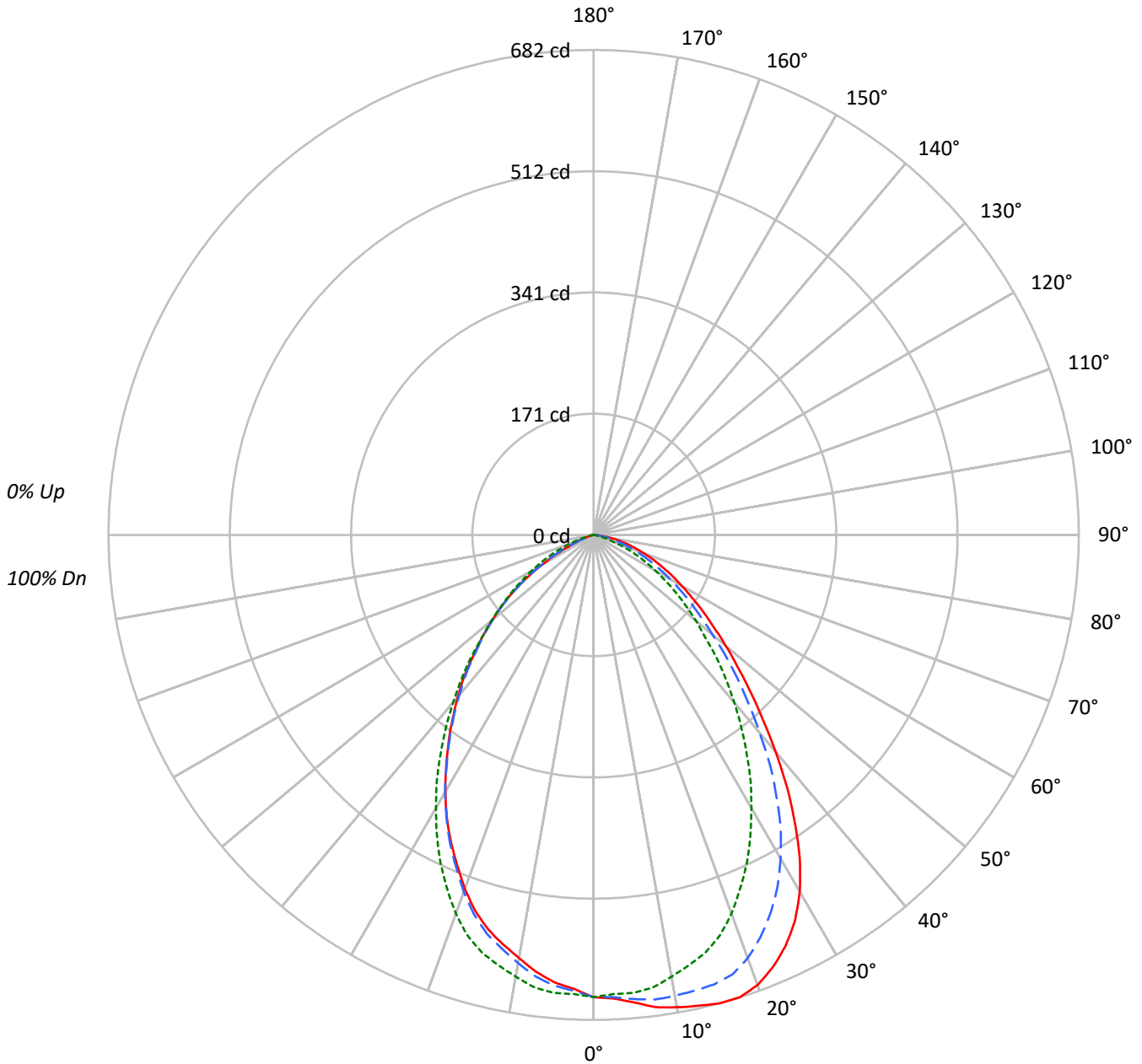
Lumens per Lamp: N/A
Luminaire Lumens: 1158.1 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P581799
CATALOG NUMBER: HCC6W15D010MW-HM60525930-61WWBB

Luminous Intensity Polar Plot



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



TEST NUMBER: P581799

CATALOG NUMBER: HCC6W15D010MW-HM60525930-61WWBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	67	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°	35628	35628	35628
5°	36320	35566	34757
10°	37547	35108	33633
15°	38701	34495	32582
20°	39297	33060	30879
25°	38591	30800	28750
30°	36683	28061	26384
35°	32973	25083	23798
40°	28453	21977	21254
45°	24096	18917	18428
50°	20656	15982	15829
55°	17911	13448	12931
60°	15635	10931	9221
65°	13750	8419	5098
70°	11861	5562	2484
75°	10082	2711	953
80°	7766	1137	568
85°	4592	566	566



TEST NUMBER: P581799
 CATALOG NUMBER: HCC6W15D010MW-HM60525930-61WWBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	5.3
10°-20°	173.4	15.0
20°-30°	244.2	21.1
30°-40°	249.5	21.5
40°-50°	201.2	17.4
50°-60°	134.9	11.7
60°-70°	68.3	5.9
70°-80°	21.8	1.9
80°-90°	3.3	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°	479.0	41.4
0°-40°	728.5	62.9
0°-60°	1064.7	91.9
0°-90°	1158.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1158.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	650	650	650	650	650	
5°	660	655	646	636	632	64
15°	682	654	608	580	574	193
25°	638	588	509	478	475	292
35°	493	448	375	354	356	307
45°	311	286	244	236	238	242
55°	187	166	141	134	135	169
65°	106	88	65	43	39	106
75°	48	34	13	4	4	51
85°	7	4	1	1	1	10
90°	0	0	0	0	0	

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



TEST NUMBER: P581799

CATALOG NUMBER: HCC6W15D010MW-HM60525930-61WWBB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9	649.9
2.5°	652.6	651.7	650.8	649.0	646.3	643.5	641.6	639.8	638.9
5°	660.0	658.1	655.3	651.7	646.3	639.8	636.2	632.5	631.6
7.5°	670.0	666.4	659.0	650.8	641.6	632.5	626.2	622.4	619.7
10°	674.5	668.2	658.1	644.5	630.7	619.7	611.5	606.0	604.2
12.5°	678.3	670.9	656.3	638.0	619.7	605.1	596.0	591.4	589.5
15°	681.9	674.5	654.4	630.7	607.8	590.4	580.4	575.9	574.1
17.5°	681.9	671.8	648.1	617.9	590.4	569.4	559.4	554.8	553.9
20°	673.6	662.7	633.4	597.8	566.7	543.0	533.8	531.1	529.3
22.5°	658.1	645.4	612.4	572.2	538.3	515.5	505.5	503.6	501.8
25°	638.0	625.3	587.7	544.8	509.2	486.2	478.1	476.2	475.3
27.5°	612.4	598.7	559.4	515.5	477.2	455.2	447.9	447.9	447.0
30°	579.5	564.0	525.6	481.7	443.3	423.2	417.7	417.7	416.8
32.5°	539.2	523.8	489.1	447.0	410.4	389.4	384.8	386.7	385.8
35°	492.7	479.9	447.9	406.8	374.8	355.6	353.8	355.6	355.6
37.5°	446.1	434.1	406.8	371.1	341.0	323.6	323.6	326.3	325.4
40°	397.6	388.5	362.9	331.8	307.1	295.2	293.4	296.1	297.0
42.5°	352.0	344.6	322.7	297.0	275.1	263.2	266.0	267.9	268.8
45°	310.8	303.5	286.1	259.6	244.0	235.9	235.9	238.6	237.7
47.5°	274.2	268.8	251.4	225.8	212.0	208.4	210.2	212.0	212.0
50°	242.2	234.0	217.6	197.5	187.4	182.8	184.7	185.6	185.6
52.5°	212.0	206.6	190.1	171.8	162.8	159.9	159.9	160.8	160.8
55°	187.4	181.0	166.4	148.1	140.7	137.1	134.4	133.5	135.3
57.5°	163.7	158.1	144.4	127.0	118.8	115.2	109.6	107.8	109.6
60°	142.6	138.0	124.3	107.8	99.7	92.3	85.9	82.3	84.1
62.5°	124.3	118.8	105.1	91.4	82.3	74.0	64.0	58.5	61.3
65°	106.0	101.5	87.7	74.0	64.9	54.8	43.0	39.3	39.3
67.5°	89.6	85.0	72.2	60.4	49.4	37.5	26.6	25.5	26.6
70°	74.0	69.5	58.5	46.6	34.7	22.8	15.5	15.5	15.5
72.5°	61.3	55.7	45.7	33.8	21.9	11.9	8.2	9.2	9.2
75°	47.6	43.0	33.8	22.8	12.8	5.4	4.5	4.5	4.5
77.5°	35.6	32.0	23.7	14.6	6.4	1.8	1.8	1.8	1.8
80°	24.6	21.0	15.5	9.2	3.6	1.8	1.8	1.8	1.8
82.5°	14.6	12.8	9.2	4.5	1.8	0.9	0.9	0.9	0.9
85°	7.3	6.4	3.6	1.8	0.9	0.9	0.9	0.9	0.9
87.5°	1.8	1.8	0.9	0.9	0.0	0.9	0.9	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)