

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: P593104

Luminaire Tested: **HCC6W15D010MB-HM60525850-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593104
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: HCC6W15D010MB-HM60525850-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

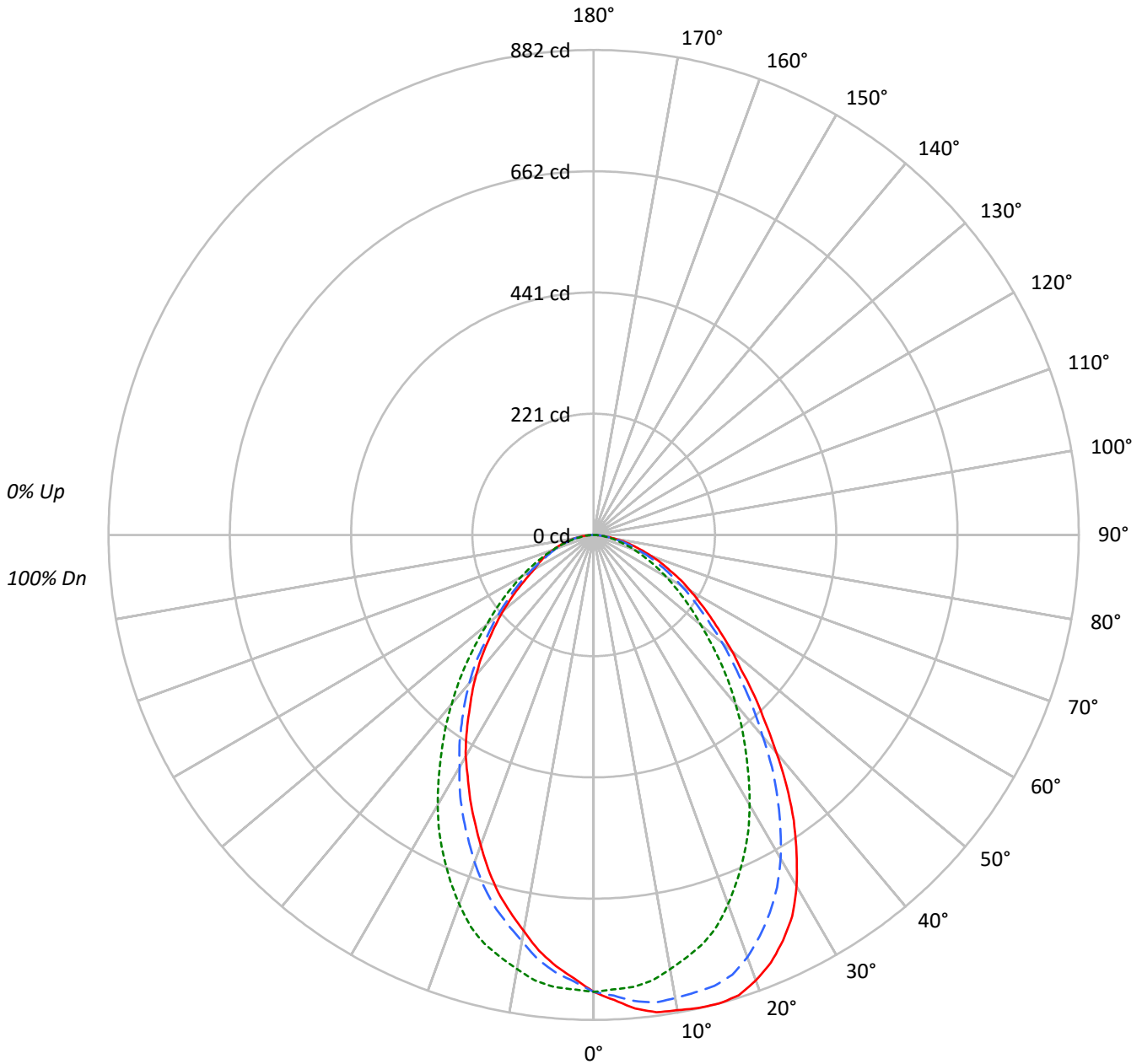
Lumens per Lamp: N/A
Luminaire Lumens: 1547.8 lumens
Efficiency: N/A
Efficacy: 110.6 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593104
CATALOG NUMBER: HCC6W15D010MB-HM60525850-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P593104

CATALOG NUMBER: HCC6W15D010MB-HM60525850-61WWW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	45550	45550	45550
5°	47568	45416	43319
10°	48863	44633	40714
15°	50074	43667	38144
20°	50305	41689	35032
25°	49243	39026	32131
30°	46722	35885	29448
35°	42436	32257	26421
40°	36976	28725	23766
45°	31996	25142	20901
50°	27948	21654	18311
55°	24687	19029	15703
60°	22191	16676	13617
65°	19872	14502	13205
70°	17743	12374	12374
75°	15377	10442	11607
80°	12375	8808	10607
85°	8428	7737	9120



TEST NUMBER: P593104
 CATALOG NUMBER: HCC6W15D010MB-HM60525850-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	5.0
10°-20°	217.1	14.0
20°-30°	302.5	19.5
30°-40°	311.7	20.1
40°-50°	258.3	16.7
50°-60°	185.7	12.0
60°-70°	118.2	7.6
70°-80°	60.7	3.9
80°-90°	15.4	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°	597.7	38.6
0°-40°	909.4	58.8
0°-60°	1353.4	87.4
0°-90°	1547.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1547.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	831	831	831	831	831	
5°	864	851	825	798	787	83
15°	882	849	769	699	672	249
25°	814	758	645	562	531	373
35°	634	583	482	418	395	394
45°	413	384	324	283	270	319
55°	258	237	199	177	164	233
65°	153	136	112	97	102	153
75°	73	63	49	51	55	78
85°	13	12	12	13	14	17
90°	0	0	0	0	0	



TEST NUMBER: P593104

CATALOG NUMBER: HCC6W15D010MB-HM60525850-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	830.9	830.9	830.9	830.9	830.9	830.9	830.9	830.9	830.9
2.5°	846.6	843.2	838.8	834.2	827.5	819.7	813.0	810.7	807.4
5°	864.4	860.0	851.0	839.8	825.3	810.7	798.5	790.6	787.2
7.5°	875.7	870.1	857.7	838.8	817.4	796.2	778.4	767.1	762.7
10°	877.8	872.2	855.4	829.8	801.8	772.7	750.3	737.0	731.4
12.5°	881.2	873.4	852.2	822.0	786.2	752.6	724.7	707.9	702.3
15°	882.3	873.4	848.8	811.9	769.4	729.1	698.9	678.8	672.1
17.5°	877.8	867.8	838.8	794.0	745.9	703.4	667.6	646.4	637.4
20°	862.3	851.0	817.4	767.1	714.6	669.9	633.0	610.6	600.5
22.5°	842.1	827.5	789.5	735.8	681.0	634.1	597.1	574.8	564.8
25°	814.1	800.7	758.2	701.2	645.2	596.1	562.5	539.0	531.2
27.5°	781.7	766.0	722.4	665.3	608.4	559.1	526.8	505.4	495.4
30°	738.1	723.6	680.0	622.9	566.9	521.1	487.6	469.7	465.2
32.5°	686.7	674.3	631.9	578.2	524.5	482.0	454.0	435.0	430.5
35°	634.1	619.5	582.6	532.3	482.0	444.0	418.2	401.4	394.8
37.5°	577.0	563.6	532.3	487.6	442.9	407.0	384.7	370.1	363.4
40°	516.7	506.6	477.5	441.7	401.4	370.1	351.2	338.8	332.1
42.5°	460.7	450.7	430.5	397.0	363.4	335.5	318.7	307.6	301.9
45°	412.7	403.7	383.6	354.5	324.3	300.8	283.0	275.1	269.6
47.5°	364.6	360.1	342.2	315.4	287.4	267.3	254.9	246.1	241.5
50°	327.7	322.1	305.3	277.4	253.9	238.2	227.0	219.2	214.7
52.5°	289.7	284.1	268.4	244.9	225.9	211.3	200.2	193.5	189.0
55°	258.3	253.9	237.1	215.9	199.1	186.7	176.7	168.9	164.3
57.5°	229.3	224.7	209.1	189.0	174.4	163.3	154.4	147.7	142.0
60°	202.4	199.1	183.4	164.3	152.1	140.9	133.0	127.5	124.2
62.5°	178.9	172.2	158.8	142.0	130.9	121.9	114.1	110.7	112.9
65°	153.2	149.8	136.4	121.9	111.8	102.8	97.3	99.5	101.8
67.5°	132.0	127.5	116.3	102.8	94.0	87.3	83.9	88.3	89.4
70°	110.7	106.2	96.1	85.0	77.2	72.6	72.6	76.0	77.2
72.5°	90.6	87.3	78.3	69.3	63.8	60.4	62.7	64.8	65.9
75°	72.6	69.3	62.7	54.8	49.3	49.3	51.4	53.7	54.8
77.5°	56.0	53.7	47.0	41.4	39.2	39.2	41.4	42.4	43.6
80°	39.2	36.9	33.6	30.2	27.9	30.2	32.5	32.5	33.6
82.5°	25.8	24.6	22.4	20.1	20.1	21.2	22.4	23.5	23.5
85°	13.4	13.4	12.3	11.2	12.3	13.4	13.4	14.5	14.5
87.5°	4.4	4.4	4.4	4.4	5.6	5.6	5.6	5.6	5.6
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)