

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: P582862

Luminaire Tested: **HCC6W05D010MB-HM60525827-61WWW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582862
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: HCC6W05D010MB-HM60525827-61WWW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

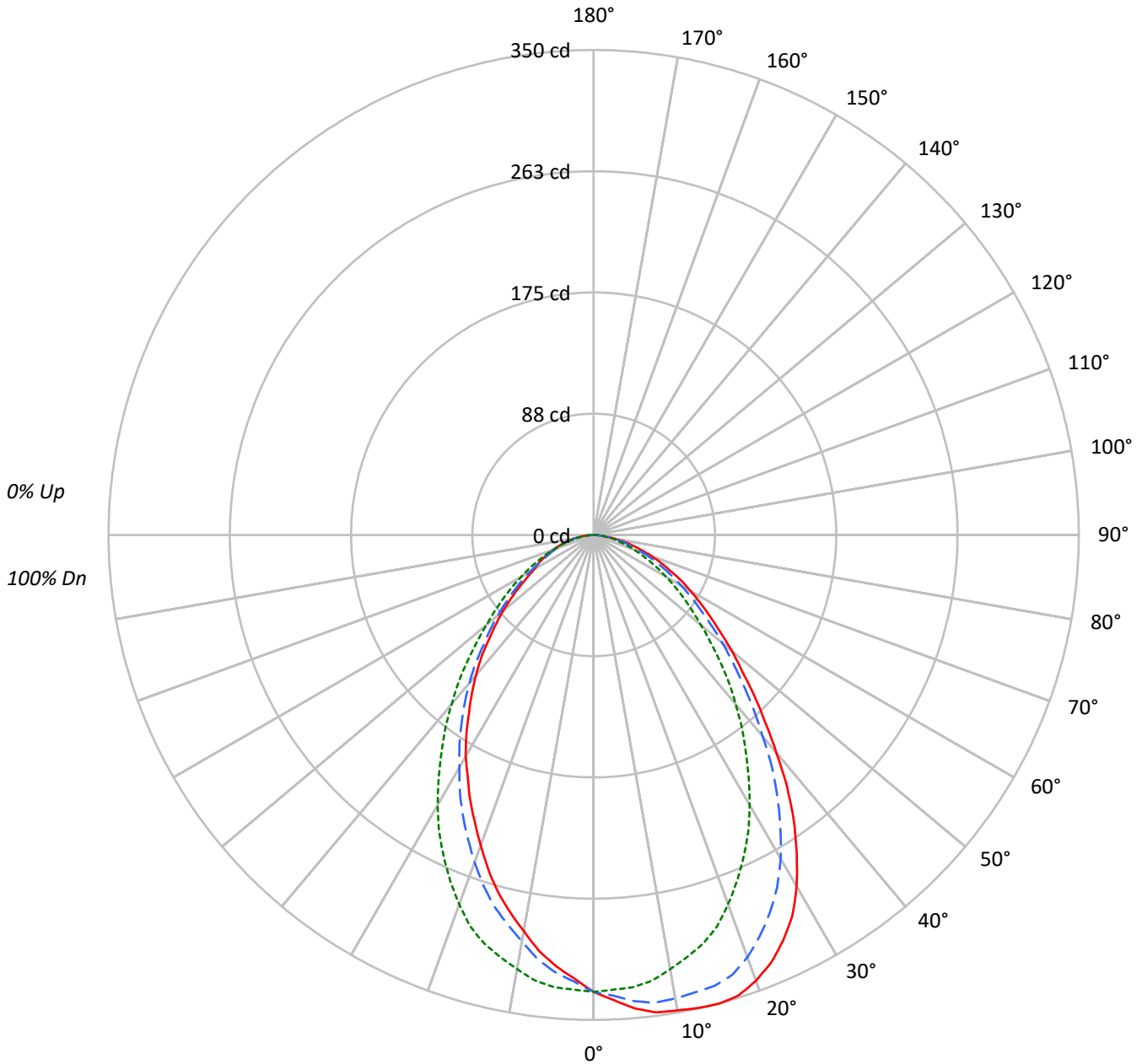
Lumens per Lamp: N/A
Luminaire Lumens: 614.3 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P582862
CATALOG NUMBER: HCC6W05D010MB-HM60525827-61WWW

Luminous Intensity Polar Plot



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



TEST NUMBER: P582862

CATALOG NUMBER: HCC6W05D010MB-HM60525827-61WWW

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°	18080	18080	18080
5°	18881	18028	17191
10°	19394	17713	16160
15°	19875	17327	15142
20°	19969	16545	13902
25°	19550	15491	12757
30°	18541	14249	11685
35°	16845	12802	10487
40°	14677	11400	9439
45°	12691	9978	8295
50°	11096	8597	7266
55°	9797	7551	6232
60°	8804	6611	5405
65°	7887	5759	5228
70°	7052	4905	4905
75°	6100	4130	4596
80°	4893	3504	4199
85°	3334	3082	3648



TEST NUMBER: P582862
 CATALOG NUMBER: HCC6W05D010MB-HM60525827-61WWW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.0	5.0
10°-20°	86.2	14.0
20°-30°	120.1	19.5
30°-40°	123.7	20.1
40°-50°	102.5	16.7
50°-60°	73.7	12.0
60°-70°	46.9	7.6
70°-80°	24.1	3.9
80°-90°	6.1	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°	237.2	38.6
0°-40°	360.9	58.8
0°-60°	537.2	87.4
0°-90°	614.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	330	330	330	330	330	
5°	343	338	328	317	312	33
15°	350	337	305	277	267	99
25°	323	301	256	223	211	148
35°	252	231	191	166	157	156
45°	164	152	129	112	107	127
55°	102	94	79	70	65	92
65°	61	54	44	39	40	61
75°	29	25	20	20	22	31
85°	5	5	5	5	6	7
90°	0	0	0	0	0	



TEST NUMBER: P582862

CATALOG NUMBER: HCC6W05D010MB-HM60525827-61WWW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	329.8	329.8	329.8	329.8	329.8	329.8	329.8	329.8	329.8
2.5°	336.1	334.7	332.9	331.1	328.5	325.3	322.7	321.8	320.5
5°	343.1	341.4	337.8	333.3	327.6	321.8	317.0	313.8	312.4
7.5°	347.6	345.3	340.5	332.9	324.4	316.1	308.9	304.5	302.7
10°	348.4	346.2	339.6	329.4	318.2	306.7	297.9	292.6	290.3
12.5°	349.7	346.7	338.2	326.2	312.0	298.8	287.6	280.9	278.8
15°	350.2	346.7	336.9	322.3	305.3	289.4	277.4	269.4	266.8
17.5°	348.4	344.4	332.9	315.2	296.1	279.2	265.0	256.5	253.0
20°	342.3	337.8	324.4	304.5	283.6	265.9	251.2	242.4	238.3
22.5°	334.3	328.5	313.3	292.1	270.3	251.7	237.1	228.1	224.2
25°	323.2	317.8	300.9	278.3	256.1	236.6	223.3	213.9	210.9
27.5°	310.3	304.1	286.7	264.1	241.5	221.9	209.0	200.6	196.6
30°	292.9	287.1	269.8	247.2	225.1	206.8	193.6	186.4	184.6
32.5°	272.6	267.7	250.7	229.5	208.1	191.3	180.2	172.7	170.9
35°	251.7	245.9	231.2	211.3	191.3	176.2	166.0	159.3	156.7
37.5°	229.1	223.7	211.3	193.6	175.7	161.6	152.7	146.9	144.3
40°	205.1	201.0	189.5	175.4	159.3	146.9	139.3	134.5	131.9
42.5°	182.8	178.9	170.9	157.5	144.3	133.1	126.4	122.0	119.9
45°	163.7	160.2	152.2	140.7	128.7	119.4	112.3	109.2	107.0
47.5°	144.8	142.9	135.8	125.2	114.1	106.1	101.2	97.6	95.8
50°	130.1	127.8	121.1	110.1	100.8	94.6	90.1	87.0	85.2
52.5°	114.9	112.8	106.6	97.2	89.6	83.8	79.4	76.8	75.0
55°	102.5	100.8	94.1	85.7	79.0	74.1	70.2	67.0	65.2
57.5°	91.0	89.3	83.1	75.0	69.3	64.7	61.2	58.5	56.4
60°	80.3	79.0	72.8	65.2	60.3	55.9	52.8	50.6	49.3
62.5°	71.0	68.4	63.1	56.4	52.0	48.4	45.3	44.0	44.9
65°	60.8	59.4	54.1	48.4	44.4	40.8	38.6	39.6	40.3
67.5°	52.4	50.6	46.2	40.8	37.3	34.6	33.3	35.0	35.5
70°	44.0	42.1	38.2	33.8	30.6	28.8	28.8	30.2	30.6
72.5°	35.9	34.6	31.1	27.6	25.3	24.0	24.9	25.8	26.2
75°	28.8	27.6	24.9	21.7	19.5	19.5	20.5	21.4	21.7
77.5°	22.1	21.4	18.6	16.4	15.5	15.5	16.4	16.8	17.3
80°	15.5	14.7	13.3	12.0	11.1	12.0	12.9	12.9	13.3
82.5°	10.2	9.7	8.9	8.0	8.0	8.5	8.9	9.3	9.3
85°	5.3	5.3	4.9	4.4	4.9	5.3	5.3	5.8	5.8
87.5°	1.8	1.8	1.8	1.8	2.3	2.3	2.3	2.3	2.3
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)