

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: P582981

Luminaire Tested: **HCC6W05D010MB-HM60525940-61RWWH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582981
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: HCC6W05D010MB-HM60525940-61RWWH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

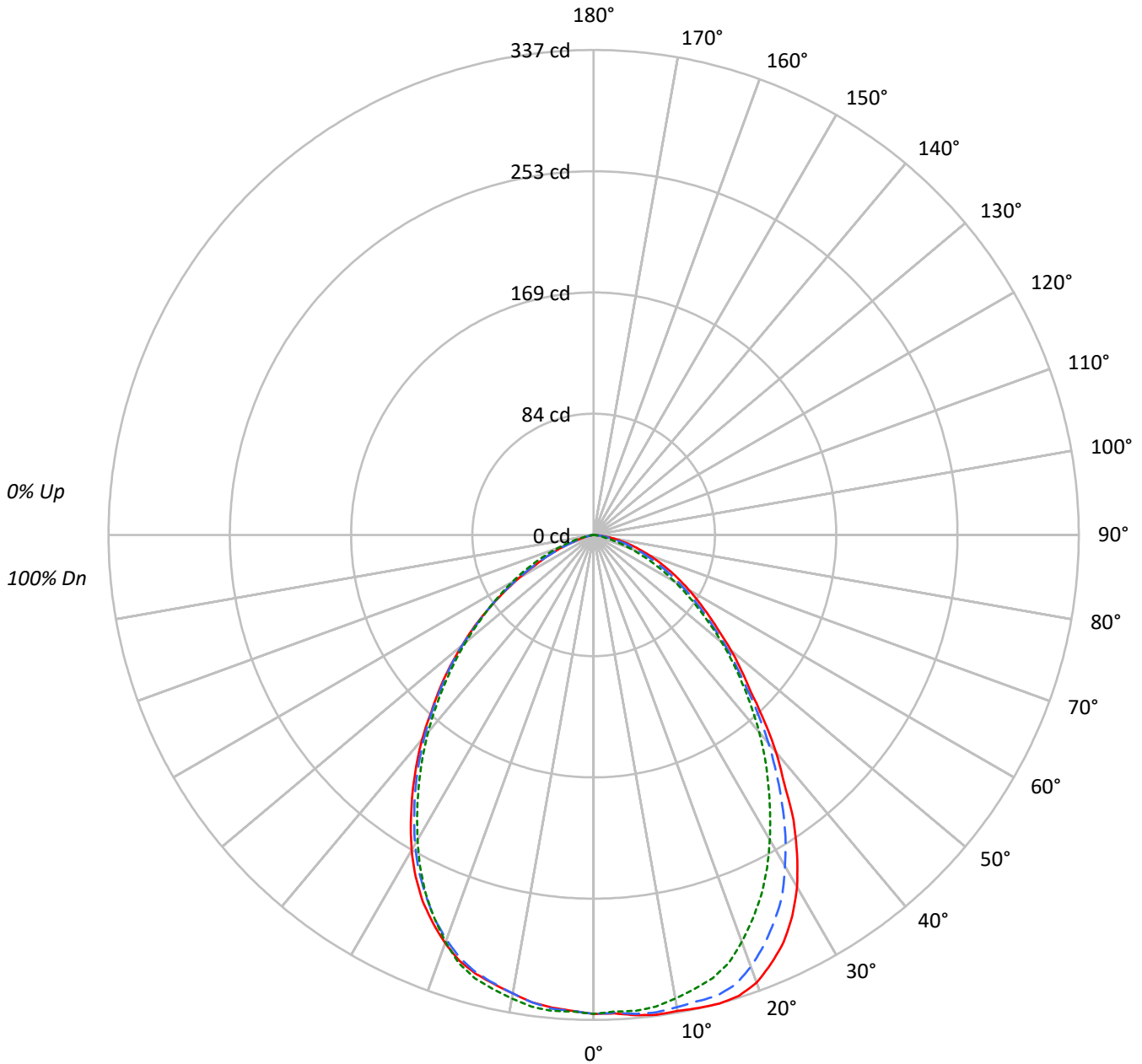
Lumens per Lamp: N/A
Luminaire Lumens: 652.2 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.12 / 1.19
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): 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: P582981
CATALOG NUMBER: HCC6W05D010MB-HM60525940-61RWWH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582981

CATALOG NUMBER: HCC6W05D010MB-HM60525940-61RWWH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18244	18244	18244
5°	18435	18270	18143
10°	18693	18208	18013
15°	19137	18099	17923
20°	19316	17554	17607
25°	18890	16676	16991
30°	17889	15483	16015
35°	16195	14154	14683
40°	14112	12803	13268
45°	11970	11327	11730
50°	10601	9902	10157
55°	9338	8468	8420
60°	8377	7127	6556
65°	7472	5720	4696
70°	6572	4135	2933
75°	5549	2499	1652
80°	4293	1105	663
85°	2516	314	314



TEST NUMBER: P582981

CATALOG NUMBER: HCC6W05D010MB-HM60525940-61RWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	4.8
10°-20°	90.8	13.9
20°-30°	131.2	20.1
30°-40°	138.1	21.2
40°-50°	116.1	17.8
50°-60°	81.5	12.5
60°-70°	44.8	6.9
70°-80°	15.9	2.4
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°	253.6	38.9
0°-40°	391.7	60.1
0°-60°	589.3	90.4
0°-90°	652.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	652.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	333	333	333	333	333	
5°	335	334	332	331	330	32
15°	337	332	319	315	316	95
25°	312	297	276	276	281	143
35°	242	228	212	216	219	150
45°	154	150	146	150	151	121
55°	98	92	89	89	88	88
65°	58	51	44	36	36	57
75°	26	21	12	8	8	28
85°	4	2	0	0	0	5
90°	0	0	0	0	0	



TEST NUMBER: P582981

CATALOG NUMBER: HCC6W05D010MB-HM60525940-61RWWH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8
2.5°	332.8	332.8	332.3	332.3	331.5	331.5	331.1	331.1	331.1
5°	335.0	335.0	334.1	332.8	332.0	330.6	330.6	330.2	329.7
7.5°	336.3	335.8	334.6	332.8	330.6	328.5	327.6	328.0	327.6
10°	335.8	335.0	333.2	329.7	327.1	324.1	323.6	323.2	323.6
12.5°	336.7	335.4	332.0	327.6	323.2	319.7	319.3	319.3	319.7
15°	337.2	335.8	331.5	325.0	318.9	315.4	314.9	315.4	315.8
17.5°	335.8	334.1	327.6	318.9	311.9	308.4	308.4	309.3	310.2
20°	331.1	328.5	319.3	308.8	300.9	298.3	299.2	300.9	301.8
22.5°	322.4	319.3	308.8	297.1	288.7	286.6	288.7	291.0	291.8
25°	312.3	308.8	296.6	284.4	275.7	273.0	276.1	279.6	280.9
27.5°	298.8	294.8	283.5	269.6	260.8	259.6	263.1	266.9	267.8
30°	282.6	278.3	265.7	252.6	244.6	244.3	248.1	251.7	253.0
32.5°	263.1	259.1	248.1	235.2	228.1	228.1	232.1	235.2	236.4
35°	242.0	237.8	228.1	217.2	211.5	212.0	215.9	218.1	219.4
37.5°	217.2	215.9	208.5	199.3	195.4	196.3	199.3	201.0	202.4
40°	197.2	193.7	188.8	181.5	178.9	179.7	182.7	184.5	185.4
42.5°	175.4	173.1	169.3	164.0	162.3	163.6	166.2	167.5	167.0
45°	154.4	154.0	150.1	147.0	146.1	147.9	149.6	151.0	151.3
47.5°	139.1	137.4	133.9	131.8	130.9	132.5	134.4	135.3	135.3
50°	124.3	122.6	119.1	116.8	116.1	117.7	119.1	120.0	119.1
52.5°	109.5	107.7	104.6	102.0	101.6	102.5	102.9	103.4	104.3
55°	97.7	95.9	92.4	89.4	88.6	88.9	88.6	88.6	88.1
57.5°	86.3	84.6	81.1	77.6	76.4	75.9	74.6	74.1	73.7
60°	76.4	74.1	70.6	66.8	65.0	63.3	61.0	59.8	59.8
62.5°	66.8	64.5	60.7	57.2	54.6	51.4	48.0	46.2	46.2
65°	57.6	55.8	51.4	47.6	44.1	40.1	36.2	35.4	36.2
67.5°	48.8	47.1	42.7	38.9	34.5	29.6	26.2	26.2	27.0
70°	41.0	39.2	35.4	30.5	25.8	20.9	18.3	18.3	18.3
72.5°	33.6	31.9	27.5	23.2	18.3	13.6	12.2	12.7	12.2
75°	26.2	24.9	20.9	16.2	11.8	8.2	7.8	7.5	7.8
77.5°	19.7	18.3	14.8	10.5	6.6	4.7	4.4	4.4	4.4
80°	13.6	12.2	9.6	6.1	3.5	2.1	2.1	2.1	2.1
82.5°	8.2	7.0	5.2	3.1	1.4	1.4	1.4	1.4	1.4
85°	4.0	3.1	2.1	0.9	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.5	0.5	0.0	0.5	0.5	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)