

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: P582561

Luminaire Tested: **HCC6W45D010MB-HM64560827-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582561
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010MB-HM64560827-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

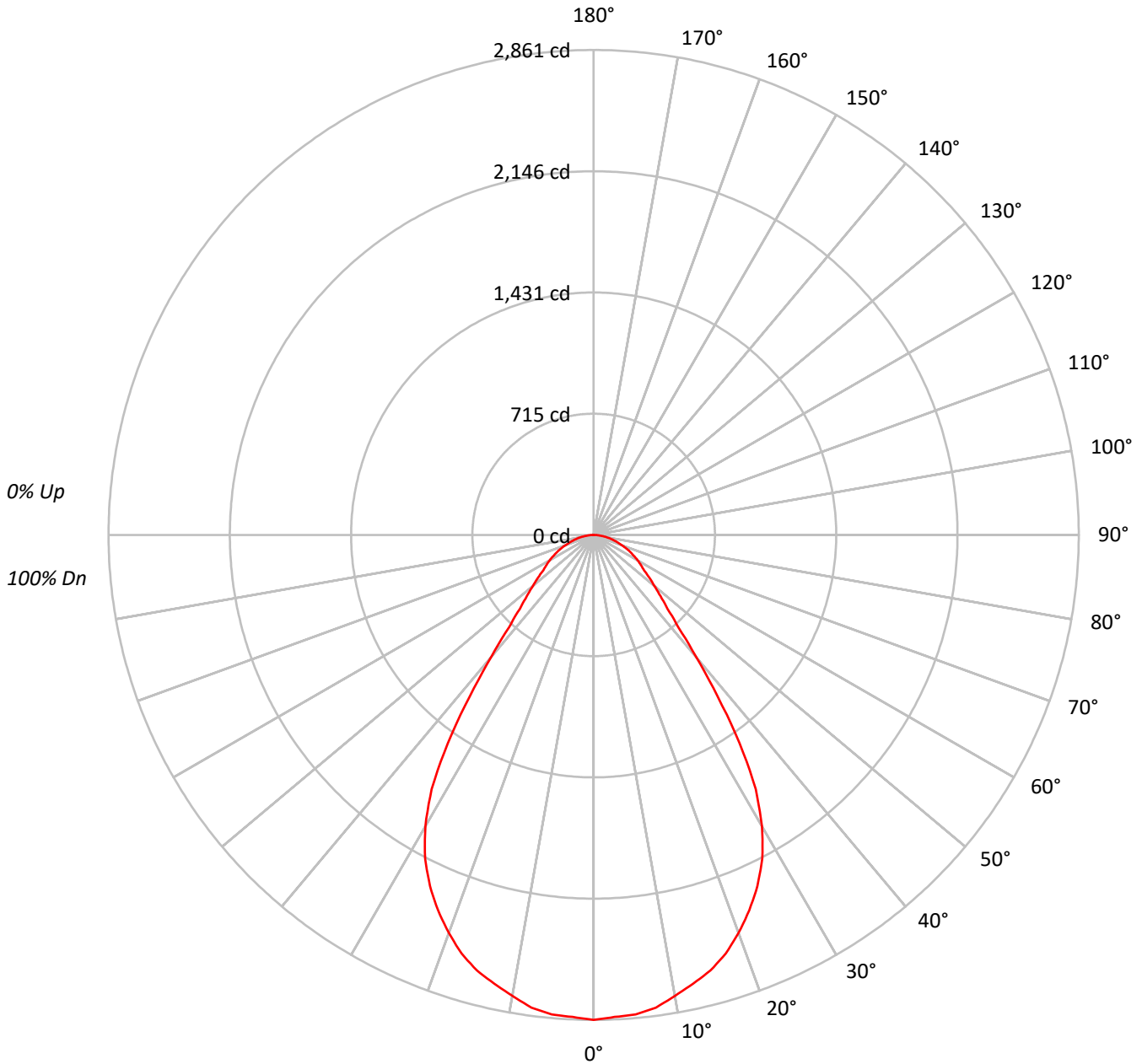
Lumens per Lamp: N/A
Luminaire Lumens: 4213.5 lumens
Efficiency: N/A
Efficacy: 95.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P582561
CATALOG NUMBER: HCC6W45D010MB-HM64560827-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582561

CATALOG NUMBER: HCC6W45D010MB-HM64560827-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	96	97	95	94	94	92	91	89																			
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79																			
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70																			
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63																			
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57																			
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48																			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44																			
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40																			
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	156857
5°	156284
10°	153677
15°	150960
20°	145747
25°	138202
30°	125703
35°	100445
40°	67018
45°	47772
50°	39803
55°	34694
60°	32782
65°	30859
70°	28354
75°	26476
80°	24056
85°	21071



TEST NUMBER: P582561
 CATALOG NUMBER: HCC6W45D010MB-HM64560827-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.6	6.4
10°-20°	746.9	17.7
20°-30°	1043.7	24.8
30°-40°	919.4	21.8
40°-50°	496.7	11.8
50°-60°	332.1	7.9
60°-70°	235.4	5.6
70°-80°	132.3	3.1
80°-90°	38.5	0.9
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°	2059.1	48.9
0°-40°	2978.5	70.7
0°-60°	3807.3	90.4
0°-90°	4213.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4213.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2861	
5°	2840	269
15°	2660	747
25°	2285	1044
35°	1501	919
45°	616	497
55°	363	332
65°	238	235
75°	125	132
85°	34	39
90°	0	



TEST NUMBER: P582561
CATALOG NUMBER: HCC6W45D010MB-HM64560827-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2861.3
2.5°	2846.0
5°	2840.0
7.5°	2812.5
10°	2760.7
12.5°	2711.9
15°	2659.9
17.5°	2589.7
20°	2498.3
22.5°	2397.6
25°	2284.8
27.5°	2153.6
30°	1985.8
32.5°	1778.4
35°	1500.9
37.5°	1198.8
40°	936.5
42.5°	738.2
45°	616.2
47.5°	533.8
50°	466.7
52.5°	411.8
55°	363.0
57.5°	329.5
60°	299.0
62.5°	268.4
65°	237.9
67.5°	207.4
70°	176.9
72.5°	149.4
75°	125.0
77.5°	100.6
80°	76.2
82.5°	54.9
85°	33.5
87.5°	15.2
90°	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°

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)