

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: P582788

Luminaire Tested: **HCC6W50D010BZ-HM64560927-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W50D010BZ-HM64560927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

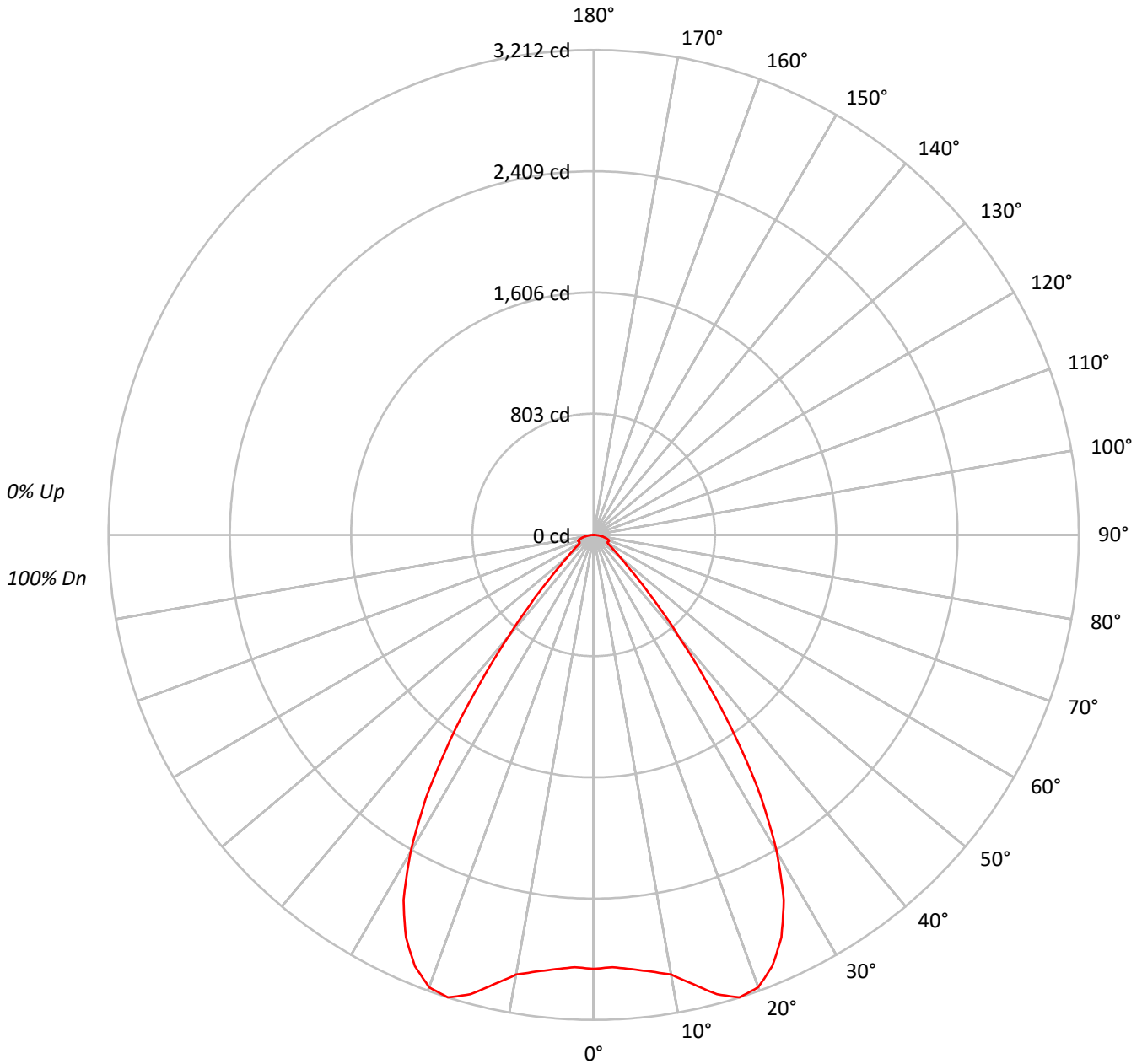
Lumens per Lamp: N/A
Luminaire Lumens: 4223.6 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P582788
CATALOG NUMBER: HCC6W50D010BZ-HM64560927-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582788
 CATALOG NUMBER: HCC6W50D010BZ-HM64560927-61WDWB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	157526
5°	158859
10°	164593
15°	178781
20°	185960
25°	177869
30°	153498
35°	110523
40°	62260
45°	32275
50°	19240
55°	13859
60°	11786
65°	13594
70°	17230
75°	18216
80°	17837
85°	16857



TEST NUMBER: P582788
 CATALOG NUMBER: HCC6W50D010BZ-HM64560927-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.8	6.6
10°-20°	888.5	21.0
20°-30°	1327.9	31.4
30°-40°	1015.1	24.0
40°-50°	354.6	8.4
50°-60°	135.1	3.2
60°-70°	106.0	2.5
70°-80°	89.7	2.1
80°-90°	28.9	0.7
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°	2494.2	59.1
0°-40°	3509.3	83.1
0°-60°	3999.0	94.7
0°-90°	4223.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4223.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2874	
5°	2887	278
15°	3150	888
25°	2941	1328
35°	1652	1015
45°	416	355
55°	145	135
65°	105	106
75°	86	90
85°	27	29
90°	0	



TEST NUMBER: P582788

CATALOG NUMBER: HCC6W50D010BZ-HM64560927-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2873.5
2.5°	2865.3
5°	2886.8
7.5°	2916.4
10°	2956.8
12.5°	3048.0
15°	3150.1
17.5°	3211.8
20°	3187.6
22.5°	3090.9
25°	2940.6
27.5°	2725.7
30°	2424.9
32.5°	2065.1
35°	1651.5
37.5°	1224.6
40°	870.0
42.5°	609.6
45°	416.3
47.5°	292.8
50°	225.6
52.5°	177.3
55°	145.0
57.5°	118.2
60°	107.5
62.5°	104.8
65°	104.8
67.5°	110.1
70°	107.5
72.5°	99.3
75°	86.0
77.5°	72.5
80°	56.5
82.5°	40.3
85°	26.8
87.5°	10.7
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)