

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: P593370

Luminaire Tested: **HCC6W50D010BZ-HM64560950-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W50D010BZ-HM64560950-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

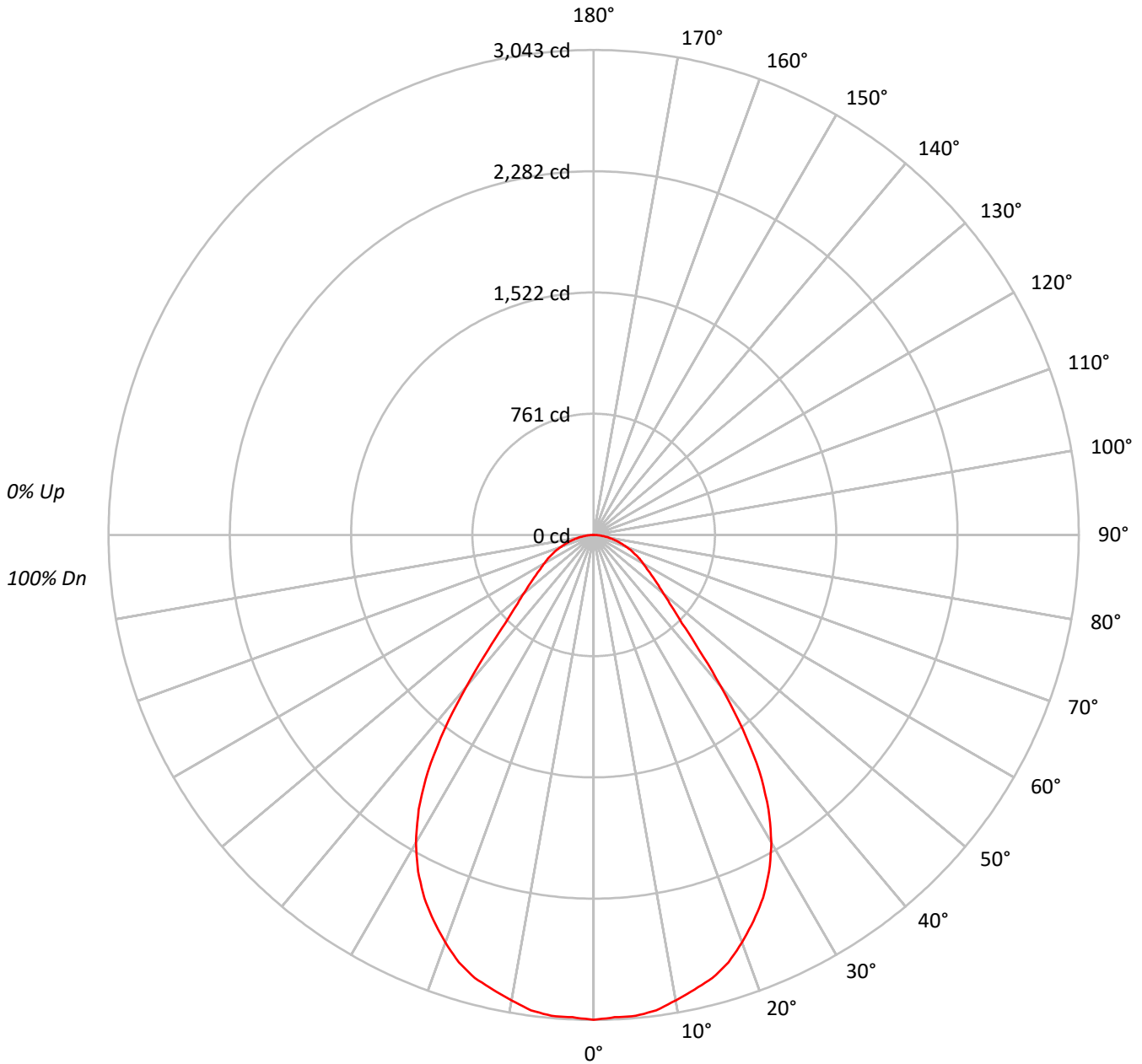
Lumens per Lamp: N/A
Luminaire Lumens: 4887.9 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P593370
CATALOG NUMBER: HCC6W50D010BZ-HM64560950-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P593370

CATALOG NUMBER: HCC6W50D010BZ-HM64560950-61WDW

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	94	92	90	89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	166796
5°	166701
10°	165083
15°	163372
20°	158756
25°	152053
30°	141117
35°	121419
40°	88630
45°	60719
50°	48817
55°	42550
60°	39273
65°	37332
70°	34862
75°	32619
80°	29612
85°	25285



TEST NUMBER: P593370
 CATALOG NUMBER: HCC6W50D010BZ-HM64560950-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.2	5.9
10°-20°	808.5	16.5
20°-30°	1149.8	23.5
30°-40°	1107.0	22.6
40°-50°	636.9	13.0
50°-60°	403.5	8.3
60°-70°	285.7	5.8
70°-80°	162.9	3.3
80°-90°	46.5	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°	2245.4	45.9
0°-40°	3352.4	68.6
0°-60°	4392.9	89.9
0°-90°	4887.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4887.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3043	
5°	3029	287
15°	2879	808
25°	2514	1150
35°	1814	1107
45°	783	637
55°	445	404
65°	288	286
75°	154	163
85°	40	46
90°	0	



TEST NUMBER: P593370
CATALOG NUMBER: HCC6W50D010BZ-HM64560950-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3042.6
2.5°	3029.3
5°	3029.3
7.5°	3009.2
10°	2965.6
12.5°	2922.1
15°	2878.6
17.5°	2811.7
20°	2721.3
22.5°	2620.9
25°	2513.8
27.5°	2383.3
30°	2229.3
32.5°	2041.8
35°	1814.3
37.5°	1536.4
40°	1238.5
42.5°	977.4
45°	783.2
47.5°	659.4
50°	572.4
52.5°	502.0
55°	445.2
57.5°	394.9
60°	358.2
62.5°	324.7
65°	287.8
67.5°	254.4
70°	217.5
72.5°	184.1
75°	154.0
77.5°	123.9
80°	93.8
82.5°	67.0
85°	40.2
87.5°	16.8
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)