

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: P593314

Luminaire Tested: **HCC6W45D010BZ-HM64560850-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010BZ-HM64560850-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

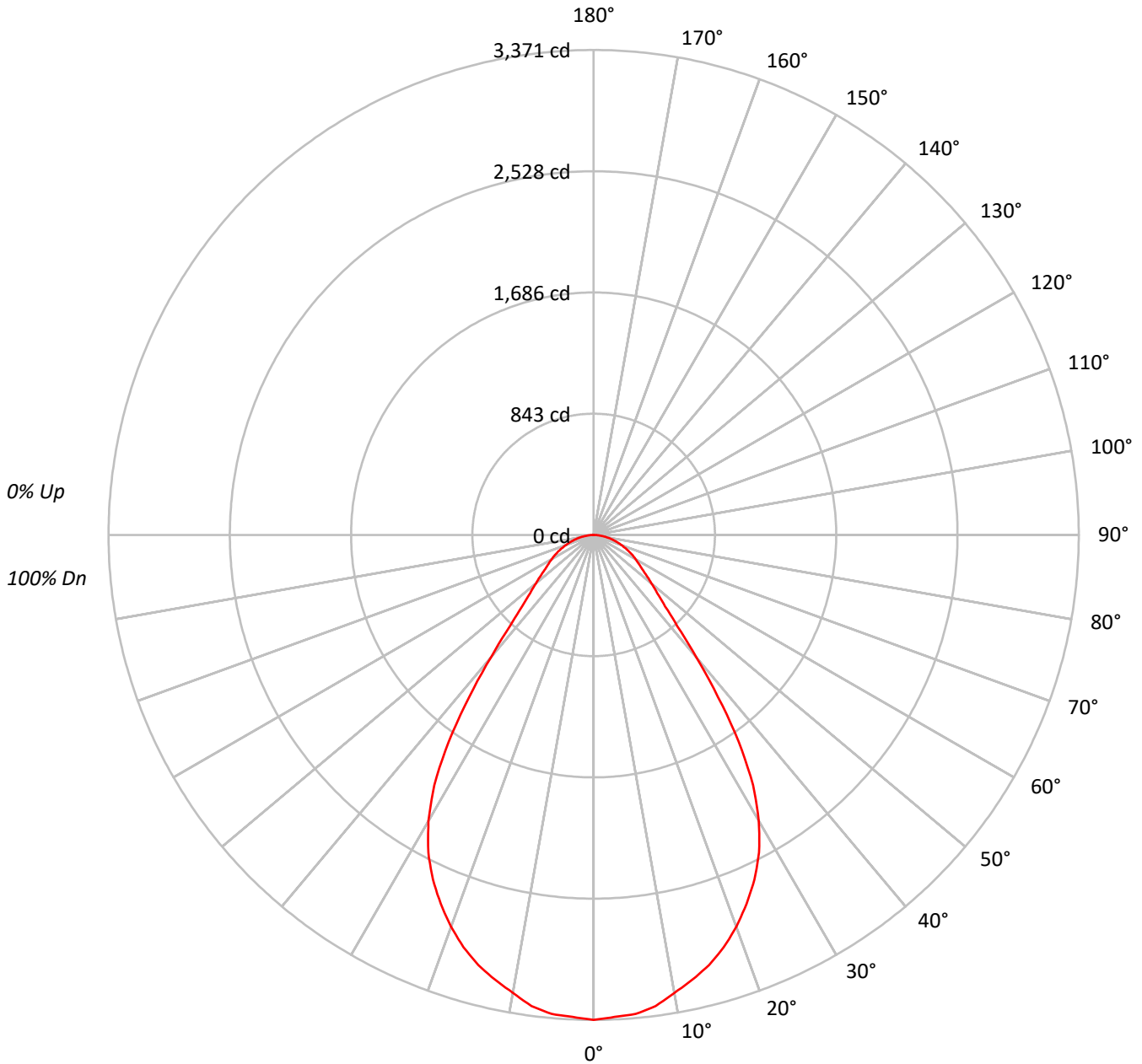
Lumens per Lamp: N/A
Luminaire Lumens: 4879.6 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593314
CATALOG NUMBER: HCC6W45D010BZ-HM64560850-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P593314

CATALOG NUMBER: HCC6W45D010BZ-HM64560850-61NDW

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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79	79	79	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63	63	63	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48	48	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44	44	44	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41	41	41	41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38	38	38	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184821
5°	183947
10°	179884
15°	175665
20°	169065
25°	159892
30°	145301
35°	117611
40°	79313
45°	54502
50°	44655
55°	39081
60°	36960
65°	34893
70°	32778
75°	31157
80°	28286
85°	24782



TEST NUMBER: P593314
 CATALOG NUMBER: HCC6W45D010BZ-HM64560850-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	6.5
10°-20°	869.2	17.8
20°-30°	1207.6	24.7
30°-40°	1075.2	22.0
40°-50°	570.7	11.7
50°-60°	373.2	7.6
60°-70°	267.5	5.5
70°-80°	155.1	3.2
80°-90°	45.3	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°	2392.4	49.0
0°-40°	3467.6	71.1
0°-60°	4411.6	90.4
0°-90°	4879.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4879.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3371	
5°	3343	316
15°	3095	869
25°	2643	1208
35°	1757	1075
45°	703	571
55°	409	373
65°	269	268
75°	147	155
85°	39	45
90°	0	



TEST NUMBER: P593314
CATALOG NUMBER: HCC6W45D010BZ-HM64560850-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3371.4
2.5°	3353.5
5°	3342.7
7.5°	3303.3
10°	3231.5
12.5°	3167.0
15°	3095.2
17.5°	3005.6
20°	2898.0
22.5°	2776.0
25°	2643.4
27.5°	2489.1
30°	2295.4
32.5°	2062.3
35°	1757.4
37.5°	1420.3
40°	1108.3
42.5°	860.7
45°	703.0
47.5°	598.9
50°	523.6
52.5°	462.6
55°	408.9
57.5°	369.4
60°	337.1
62.5°	304.9
65°	269.0
67.5°	236.7
70°	204.5
72.5°	175.7
75°	147.1
77.5°	118.4
80°	89.6
82.5°	64.5
85°	39.4
87.5°	17.9
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)