

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: P582798

Luminaire Tested: **HCC6W50D010MB-HM64560930-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582798
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: HCC6W50D010MB-HM64560930-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

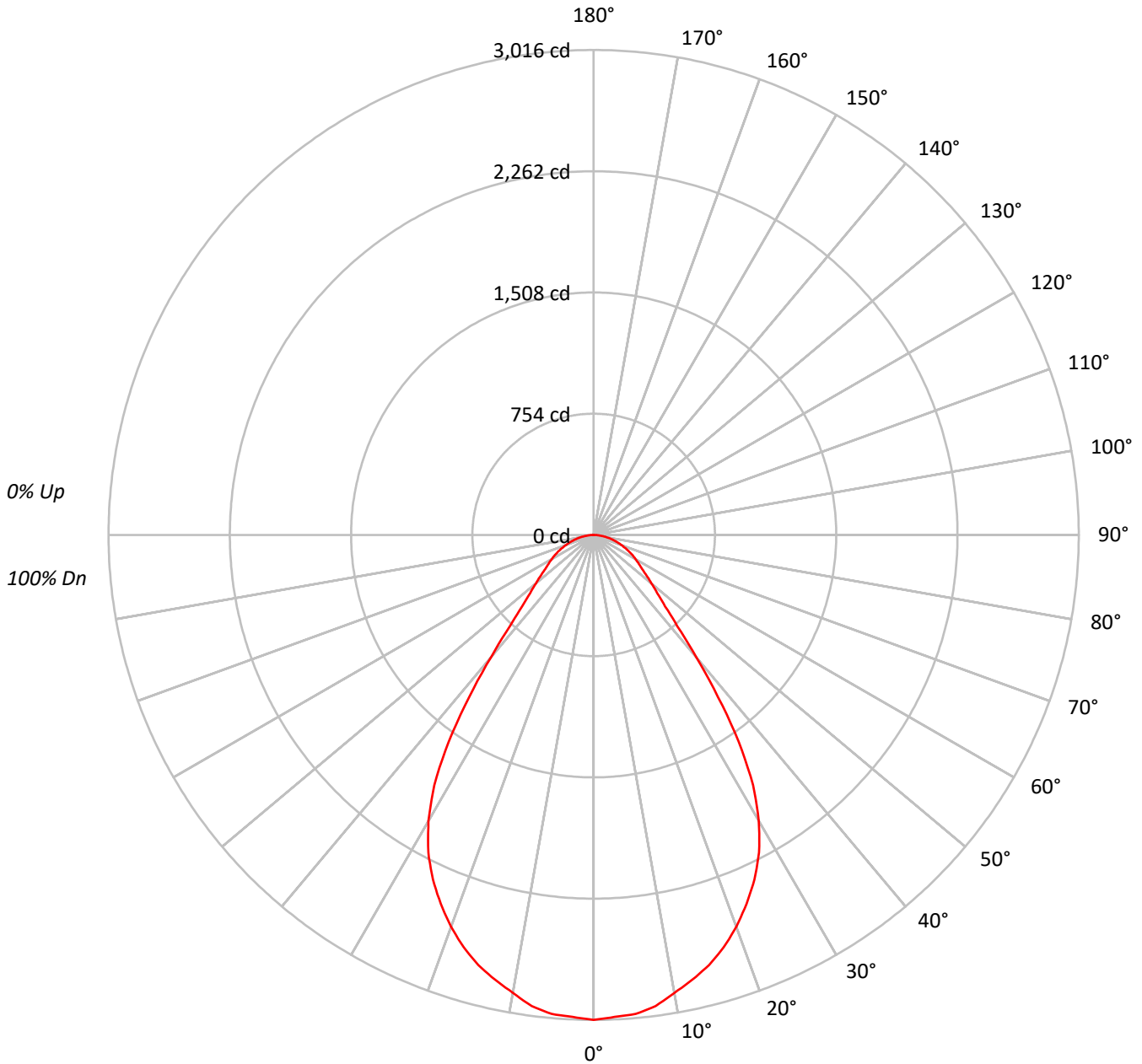
Lumens per Lamp: N/A
Luminaire Lumens: 4365.8 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582798
CATALOG NUMBER: HCC6W50D010MB-HM64560930-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582798

CATALOG NUMBER: HCC6W50D010MB-HM64560930-61NDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	165354
5°	164571
10°	160941
15°	157163
20°	151260
25°	143053
30°	129995
35°	105230
40°	70962
45°	48757
50°	39956
55°	34962
60°	33068
65°	31223
70°	29316
75°	27874
80°	25319
85°	22203



TEST NUMBER: P582798
 CATALOG NUMBER: HCC6W50D010MB-HM64560930-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	6.5
10°-20°	777.7	17.8
20°-30°	1080.4	24.7
30°-40°	962.0	22.0
40°-50°	510.7	11.7
50°-60°	334.0	7.6
60°-70°	239.3	5.5
70°-80°	138.8	3.2
80°-90°	40.6	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°	2140.4	49.0
0°-40°	3102.4	71.1
0°-60°	3947.0	90.4
0°-90°	4365.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4365.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3016	
5°	2991	282
15°	2769	778
25°	2365	1080
35°	1572	962
45°	629	511
55°	366	334
65°	241	239
75°	132	139
85°	35	41
90°	0	



TEST NUMBER: P582798
CATALOG NUMBER: HCC6W50D010MB-HM64560930-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3016.3
2.5°	3000.3
5°	2990.6
7.5°	2955.3
10°	2891.2
12.5°	2833.5
15°	2769.2
17.5°	2689.0
20°	2592.8
22.5°	2483.6
25°	2365.0
27.5°	2226.9
30°	2053.6
32.5°	1845.1
35°	1572.4
37.5°	1270.8
40°	991.6
42.5°	770.1
45°	628.9
47.5°	535.9
50°	468.5
52.5°	413.9
55°	365.8
57.5°	330.6
60°	301.6
62.5°	272.8
65°	240.7
67.5°	211.8
70°	182.9
72.5°	157.2
75°	131.6
77.5°	105.9
80°	80.2
82.5°	57.8
85°	35.3
87.5°	16.1
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)