

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: P582795

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582795
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: HCC6W50D010MB-HM64560930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

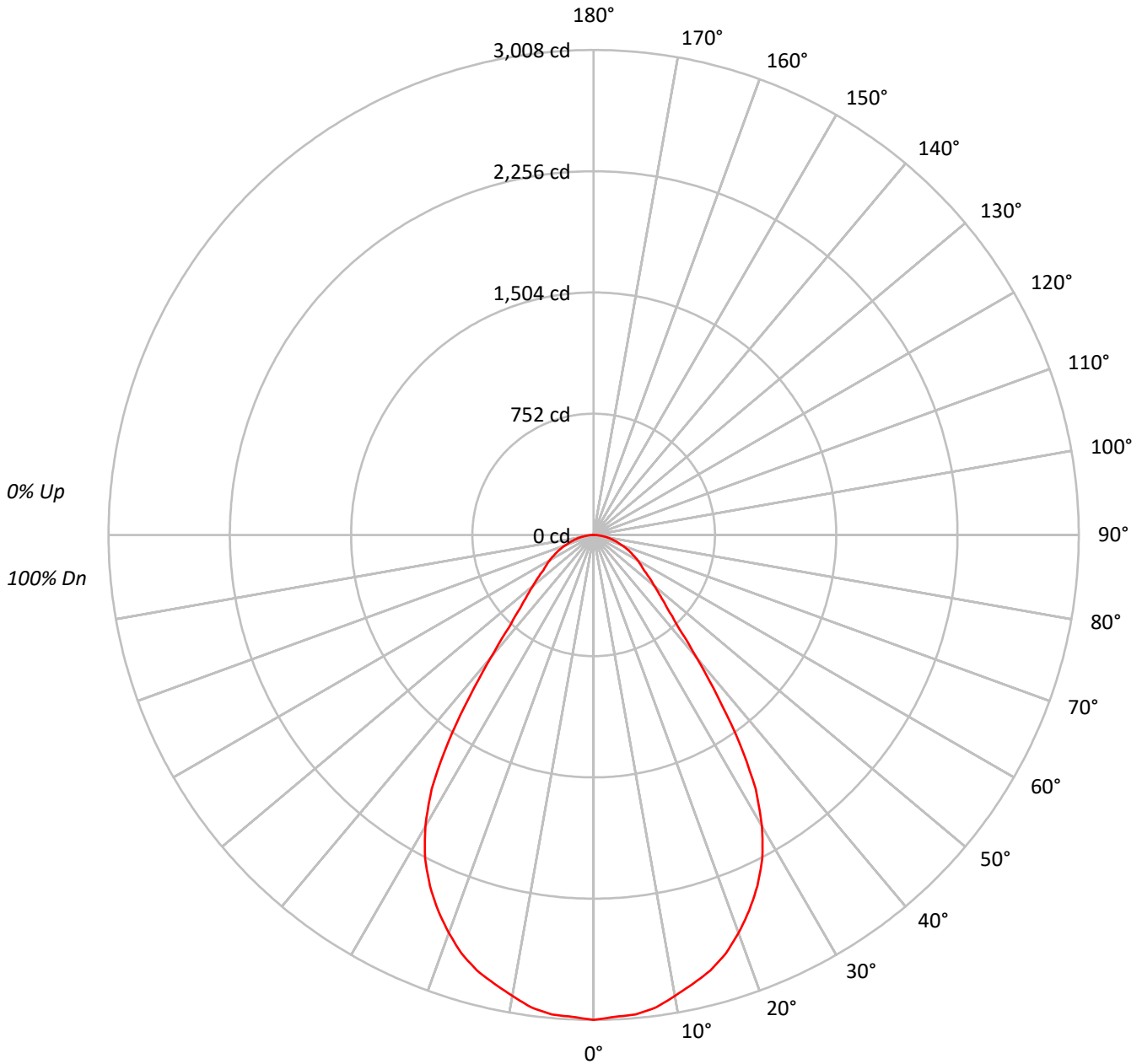
Lumens per Lamp: N/A
Luminaire Lumens: 4429.9 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P582795
CATALOG NUMBER: HCC6W50D010MB-HM64560930-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582795

CATALOG NUMBER: HCC6W50D010MB-HM64560930-61MDW

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		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°	164905
5°	164302
10°	161559
15°	158713
20°	153226
25°	145291
30°	132160
35°	105591
40°	70453
45°	50222
50°	41849
55°	36472
60°	34460
65°	32442
70°	29813
75°	27832
80°	25319
85°	22203



TEST NUMBER: P582795
 CATALOG NUMBER: HCC6W50D010MB-HM64560930-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.4	6.4
10°-20°	785.2	17.7
20°-30°	1097.2	24.8
30°-40°	966.5	21.8
40°-50°	522.2	11.8
50°-60°	349.2	7.9
60°-70°	247.5	5.6
70°-80°	139.1	3.1
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°	2164.8	48.9
0°-40°	3131.4	70.7
0°-60°	4002.7	90.4
0°-90°	4429.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4429.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3008	
5°	2986	282
15°	2796	785
25°	2402	1097
35°	1578	967
45°	648	522
55°	382	349
65°	250	248
75°	131	139
85°	35	41
90°	0	



TEST NUMBER: P582795
CATALOG NUMBER: HCC6W50D010MB-HM64560930-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3008.1
2.5°	2992.1
5°	2985.7
7.5°	2956.9
10°	2902.3
12.5°	2850.9
15°	2796.5
17.5°	2722.7
20°	2626.5
22.5°	2520.7
25°	2402.0
27.5°	2264.1
30°	2087.8
32.5°	1869.6
35°	1577.8
37.5°	1260.4
40°	984.5
42.5°	776.0
45°	647.8
47.5°	561.2
50°	490.7
52.5°	433.0
55°	381.6
57.5°	346.4
60°	314.3
62.5°	282.3
65°	250.1
67.5°	218.1
70°	186.0
72.5°	157.2
75°	131.4
77.5°	105.8
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)