

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: P582768

Luminaire Tested: **HCC6S50D010MB-HM64560840-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S50D010MB-HM64560840-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

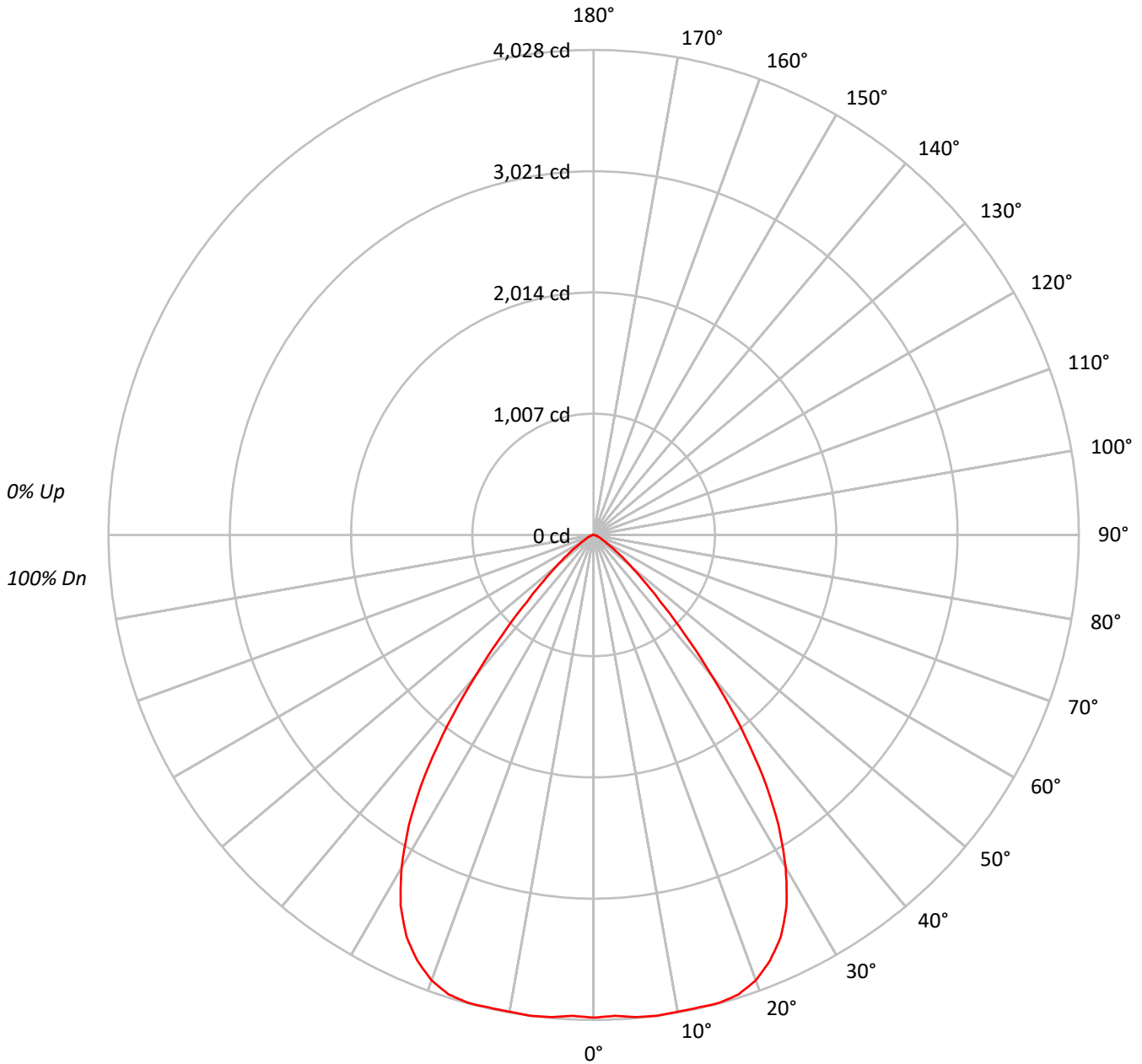
Lumens per Lamp: N/A
Luminaire Lumens: 5611.9 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582768
CATALOG NUMBER: HCC6S50D010MB-HM64560840-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582768

CATALOG NUMBER: HCC6S50D010MB-HM64560840-61WDH

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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92	92	92	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64	64	64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	59	59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50	50	50	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	219780
5°	221246
10°	223805
15°	228401
20°	229678
25°	222521
30°	201873
35°	164136
40°	108947
45°	60634
50°	33995
55°	18876
60°	10416
65°	7874
70°	5466
75°	4024
80°	2399
85°	2390



TEST NUMBER: P582768
 CATALOG NUMBER: HCC6S50D010MB-HM64560840-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.7	6.8
10°-20°	1134.7	20.2
20°-30°	1672.4	29.8
30°-40°	1495.9	26.7
40°-50°	649.0	11.6
50°-60°	190.7	3.4
60°-70°	60.8	1.1
70°-80°	21.5	0.4
80°-90°	3.1	0.1
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°	3190.9	56.9
0°-40°	4686.8	83.5
0°-60°	5526.5	98.5
0°-90°	5611.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5611.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4009	
5°	4020	384
15°	4024	1135
25°	3679	1672
35°	2453	1496
45°	782	649
55°	198	191
65°	61	61
75°	19	21
85°	4	3
90°	0	



TEST NUMBER: P582768
CATALOG NUMBER: HCC6S50D010MB-HM64560840-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4009.1
2.5°	3997.8
5°	4020.5
7.5°	4028.2
10°	4020.5
12.5°	4020.5
15°	4024.4
17.5°	4001.6
20°	3937.0
22.5°	3826.9
25°	3678.8
27.5°	3470.0
30°	3189.1
32.5°	2854.9
35°	2452.6
37.5°	1993.2
40°	1522.4
42.5°	1112.4
45°	782.1
47.5°	558.1
50°	398.6
52.5°	284.7
55°	197.5
57.5°	132.9
60°	95.0
62.5°	75.9
65°	60.7
67.5°	45.6
70°	34.1
72.5°	26.6
75°	19.0
77.5°	15.2
80°	7.6
82.5°	3.8
85°	3.8
87.5°	0.0
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)