

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: P593362

Luminaire Tested: **HCC6W50D010MB-HM64560950-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593362
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: HCC6W50D010MB-HM64560950-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

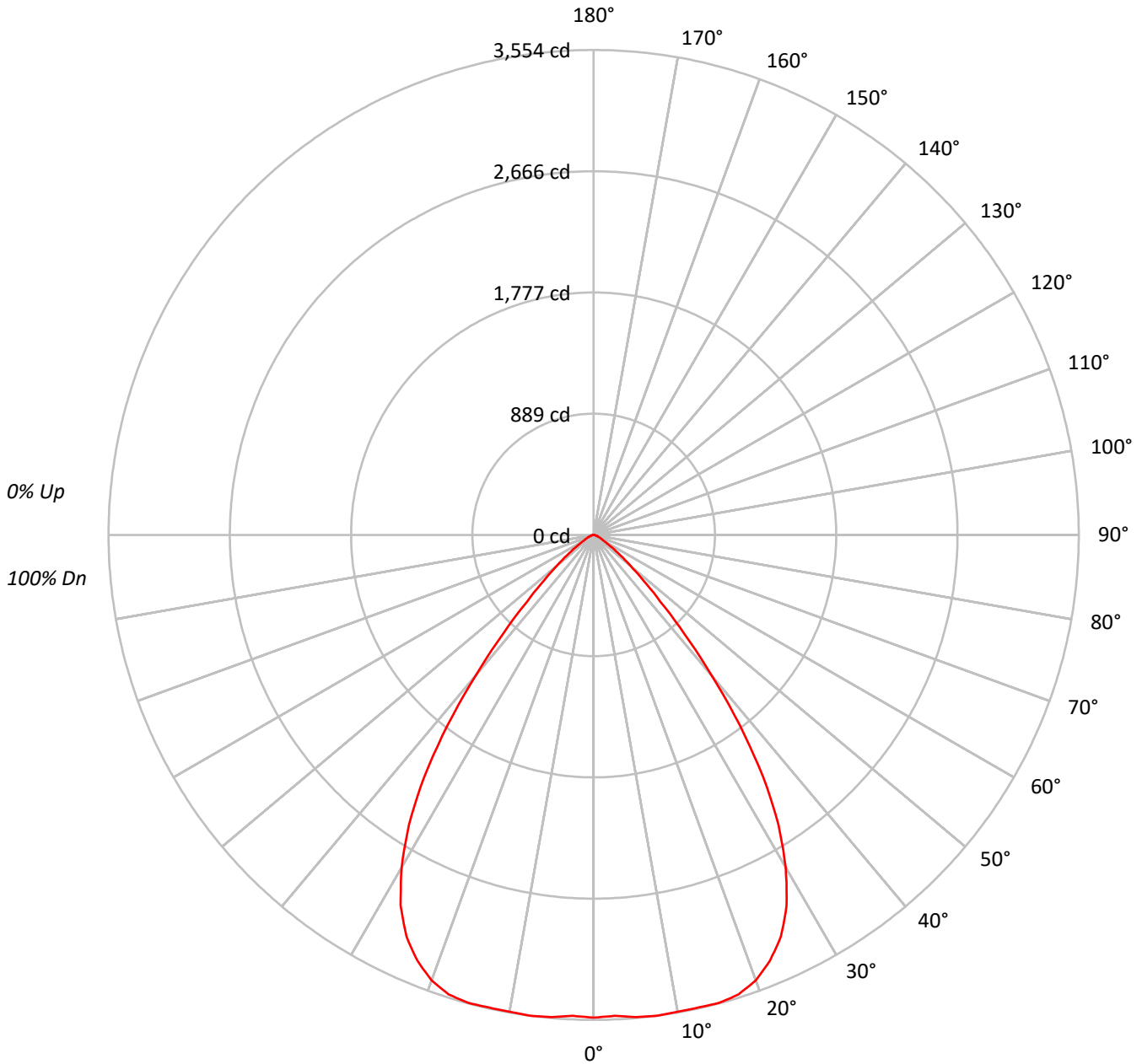
Lumens per Lamp: N/A
Luminaire Lumens: 4951.4 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593362
CATALOG NUMBER: HCC6W50D010MB-HM64560950-61WDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P593362

CATALOG NUMBER: HCC6W50D010MB-HM64560950-61WDH

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	73	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°	193915
5°	195212
10°	197469
15°	201516
20°	202650
25°	196336
30°	178110
35°	144815
40°	96130
45°	53502
50°	29995
55°	16649
60°	9177
65°	6953
70°	4825
75°	3558
80°	2115
85°	2076



TEST NUMBER: P593362
 CATALOG NUMBER: HCC6W50D010MB-HM64560950-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.6	6.8
10°-20°	1001.2	20.2
20°-30°	1475.6	29.8
30°-40°	1319.8	26.7
40°-50°	572.6	11.6
50°-60°	168.2	3.4
60°-70°	53.7	1.1
70°-80°	19.0	0.4
80°-90°	2.7	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°	2815.4	56.9
0°-40°	4135.2	83.5
0°-60°	4876.1	98.5
0°-90°	4951.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4951.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3537	
5°	3547	339
15°	3551	1001
25°	3246	1476
35°	2164	1320
45°	690	573
55°	174	168
65°	54	54
75°	17	19
85°	3	3
90°	0	



TEST NUMBER: P593362
CATALOG NUMBER: HCC6W50D010MB-HM64560950-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3537.3
2.5°	3527.3
5°	3547.4
7.5°	3554.1
10°	3547.4
12.5°	3547.4
15°	3550.7
17.5°	3530.6
20°	3473.7
22.5°	3376.5
25°	3245.9
27.5°	3061.6
30°	2813.7
32.5°	2519.0
35°	2163.9
37.5°	1758.6
40°	1343.3
42.5°	981.5
45°	690.1
47.5°	492.4
50°	351.7
52.5°	251.2
55°	174.2
57.5°	117.3
60°	83.7
62.5°	67.0
65°	53.6
67.5°	40.2
70°	30.1
72.5°	23.5
75°	16.8
77.5°	13.3
80°	6.7
82.5°	3.3
85°	3.3
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)