

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: P582839

Luminaire Tested: **HCC6W50D010MB-HM64560940-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582839
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W50D010MB-HM64560940-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

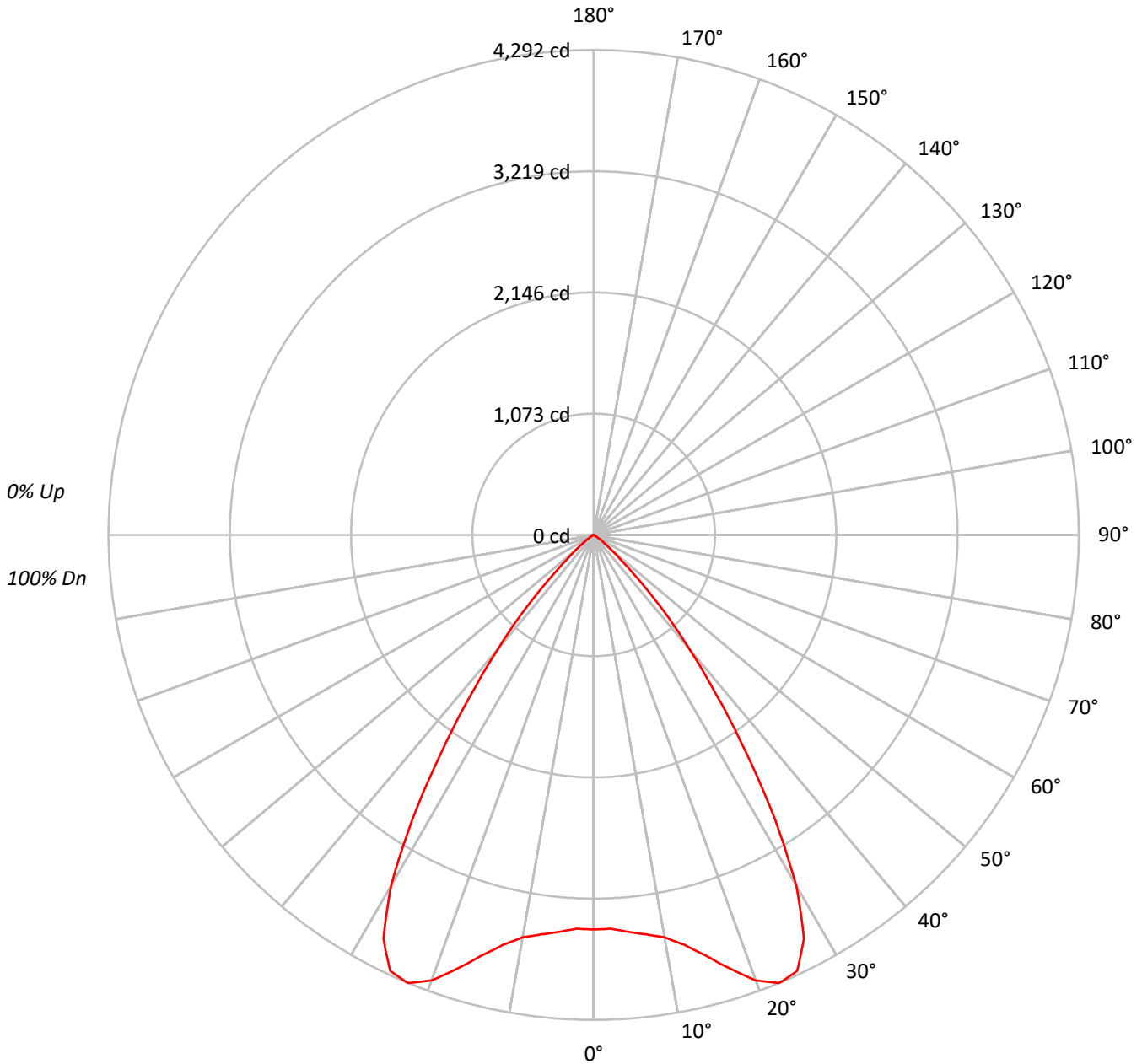
Lumens per Lamp: N/A
Luminaire Lumens: 5400.0 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582839
CATALOG NUMBER: HCC6W50D010MB-HM64560940-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P582839
 CATALOG NUMBER: HCC6W50D010MB-HM64560940-61WDC

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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			93
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			85
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78			78
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56			56
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52			52
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48			48
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45			45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	191443
5°	194012
10°	201293
15°	218906
20°	244753
25°	257610
30°	226782
35°	157296
40°	93933
45°	44648
50°	16852
55°	7044
60°	2204
65°	1725
70°	1074
75°	699
80°	1042
85°	0



TEST NUMBER: P582839
 CATALOG NUMBER: HCC6W50D010MB-HM64560940-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.3	6.3
10°-20°	1107.6	20.5
20°-30°	1897.8	35.1
30°-40°	1473.9	27.3
40°-50°	487.3	9.0
50°-60°	74.8	1.4
60°-70°	13.2	0.2
70°-80°	4.8	0.1
80°-90°	1.3	0.0
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°	3344.7	61.9
0°-40°	4818.6	89.2
0°-60°	5380.7	99.6
0°-90°	5400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5400.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3492	
5°	3526	339
15°	3857	1108
25°	4259	1898
35°	2350	1474
45°	576	487
55°	74	75
65°	13	13
75°	3	5
85°	0	1
90°	0	



TEST NUMBER: P582839
CATALOG NUMBER: HCC6W50D010MB-HM64560940-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3492.2
2.5°	3488.9
5°	3525.6
7.5°	3565.9
10°	3616.1
12.5°	3716.5
15°	3857.1
17.5°	4027.9
20°	4195.4
22.5°	4292.5
25°	4258.9
27.5°	4027.9
30°	3582.6
32.5°	2983.3
35°	2350.4
37.5°	1784.6
40°	1312.6
42.5°	927.4
45°	575.9
47.5°	321.5
50°	197.6
52.5°	120.6
55°	73.7
57.5°	36.8
60°	20.1
62.5°	16.8
65°	13.3
67.5°	10.0
70°	6.7
72.5°	6.7
75°	3.3
77.5°	3.3
80°	3.3
82.5°	3.3
85°	0.0
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)