

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: P582835

Luminaire Tested: **HCC6W50D010MW-HM64560940-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582835
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W50D010MW-HM64560940-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

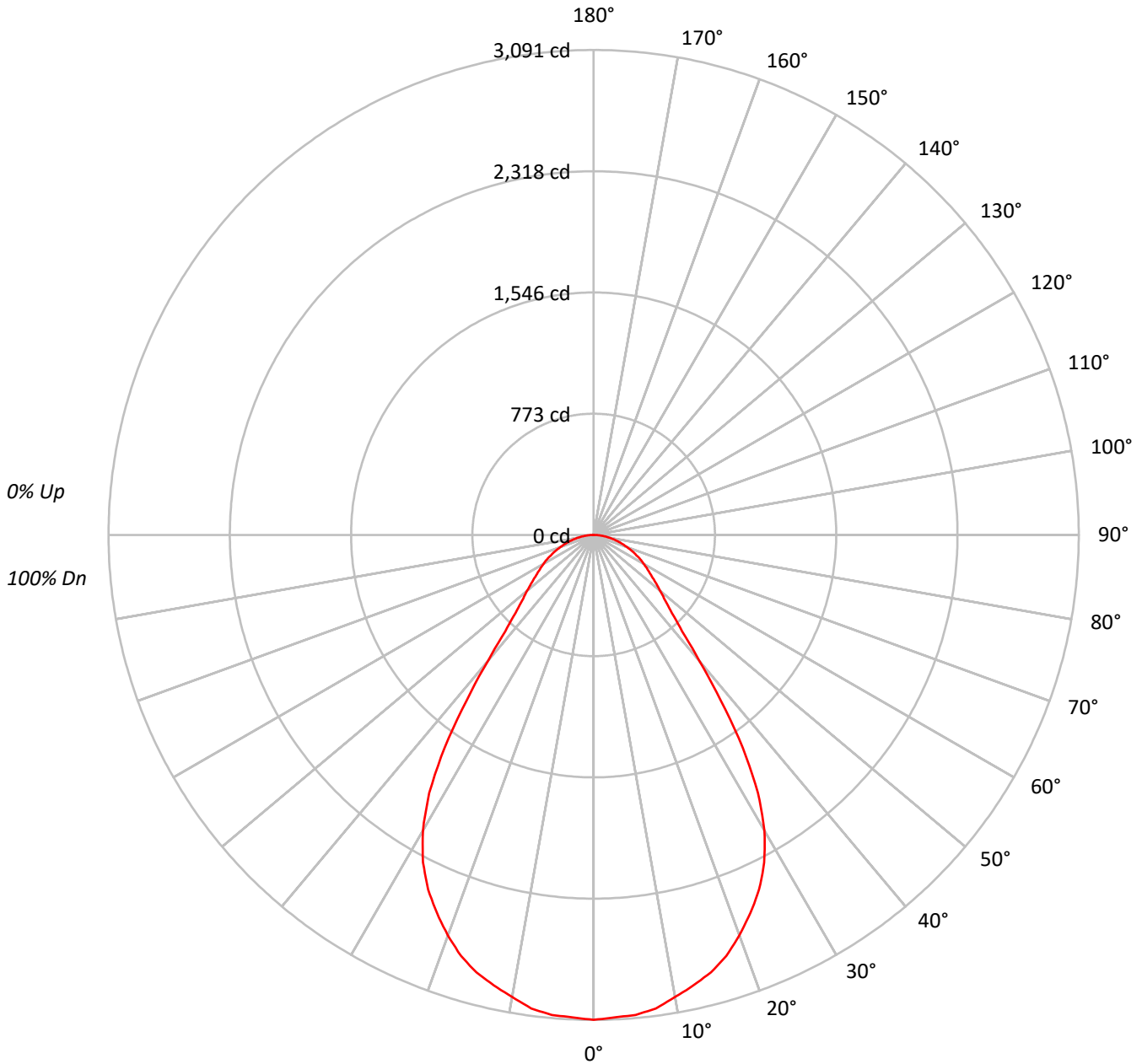
Lumens per Lamp: N/A
Luminaire Lumens: 4740.5 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582835
CATALOG NUMBER: HCC6W50D010MW-HM64560940-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582835

CATALOG NUMBER: HCC6W50D010MW-HM64560940-61PSMDW

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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169438
5°	168979
10°	166458
15°	163820
20°	158430
25°	150898
30°	137781
35°	110925
40°	74769
45°	54517
50°	47120
55°	42570
60°	40392
65°	38227
70°	35968
75°	34038
80°	31728
85°	29500



TEST NUMBER: P582835

CATALOG NUMBER: HCC6W50D010MW-HM64560940-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.6	6.1
10°-20°	810.6	17.1
20°-30°	1138.9	24.0
30°-40°	1013.8	21.4
40°-50°	566.5	12.0
50°-60°	403.6	8.5
60°-70°	293.7	6.2
70°-80°	170.0	3.6
80°-90°	52.9	1.1
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°	2240.1	47.3
0°-40°	3253.9	68.6
0°-60°	4224.0	89.1
0°-90°	4740.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4740.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3091	
5°	3071	291
15°	2886	811
25°	2495	1139
35°	1658	1014
45°	703	567
55°	445	404
65°	295	294
75°	161	170
85°	47	53
90°	0	



TEST NUMBER: P582835

CATALOG NUMBER: HCC6W50D010MW-HM64560940-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3090.8
2.5°	3077.4
5°	3070.7
7.5°	3043.9
10°	2990.3
12.5°	2940.1
15°	2886.5
17.5°	2812.9
20°	2715.7
22.5°	2608.6
25°	2494.7
27.5°	2354.1
30°	2176.6
32.5°	1948.9
35°	1657.5
37.5°	1329.5
40°	1044.8
42.5°	833.8
45°	703.2
47.5°	616.1
50°	552.5
52.5°	495.5
55°	445.4
57.5°	405.2
60°	368.4
62.5°	334.8
65°	294.7
67.5°	261.2
70°	224.4
72.5°	190.8
75°	160.7
77.5°	130.6
80°	100.5
82.5°	73.7
85°	46.9
87.5°	23.4
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)