

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: P582733

Luminaire Tested: **HCC6S50D010MW-HM64560830-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S50D010MW-HM64560830-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

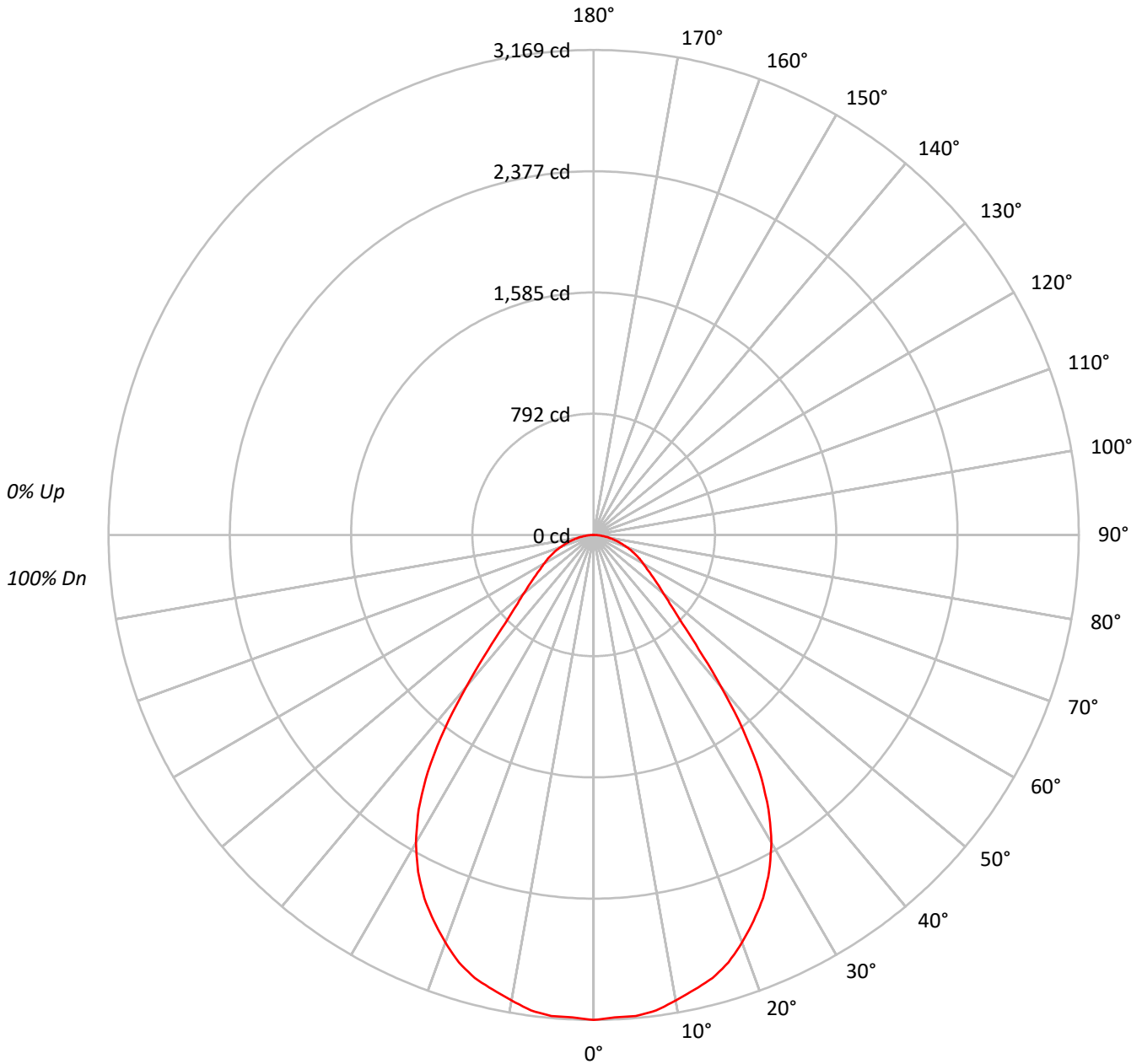
Lumens per Lamp: N/A
Luminaire Lumens: 5091.2 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582733
CATALOG NUMBER: HCC6S50D010MW-HM64560830-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582733

CATALOG NUMBER: HCC6S50D010MW-HM64560830-61WDW

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	94	92	90	89			
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	173736
5°	173635
10°	171952
15°	170171
20°	165360
25°	158380
30°	146985
35°	126465
40°	92316
45°	63247
50°	50847
55°	44319
60°	40907
65°	38902
70°	36320
75°	33974
80°	30844
85°	26292



TEST NUMBER: P582733
 CATALOG NUMBER: HCC6S50D010MW-HM64560830-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.1	5.9
10°-20°	842.1	16.5
20°-30°	1197.6	23.5
30°-40°	1153.0	22.6
40°-50°	663.4	13.0
50°-60°	420.4	8.3
60°-70°	297.6	5.8
70°-80°	169.7	3.3
80°-90°	48.4	1.0
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°	2338.8	45.9
0°-40°	3491.8	68.6
0°-60°	4575.6	89.9
0°-90°	5091.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5091.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3169	
5°	3155	299
15°	2998	842
25°	2618	1198
35°	1890	1153
45°	816	663
55°	464	420
65°	300	298
75°	160	170
85°	42	48
90°	0	



TEST NUMBER: P582733
CATALOG NUMBER: HCC6S50D010MW-HM64560830-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3169.2
2.5°	3155.3
5°	3155.3
7.5°	3134.4
10°	3089.0
12.5°	3043.7
15°	2998.4
17.5°	2928.6
20°	2834.5
22.5°	2729.9
25°	2618.4
27.5°	2482.3
30°	2322.0
32.5°	2126.7
35°	1889.7
37.5°	1600.3
40°	1290.0
42.5°	1018.0
45°	815.8
47.5°	686.9
50°	596.2
52.5°	522.9
55°	463.7
57.5°	411.5
60°	373.1
62.5°	338.2
65°	299.9
67.5°	265.0
70°	226.6
72.5°	191.8
75°	160.4
77.5°	129.0
80°	97.7
82.5°	69.7
85°	41.8
87.5°	17.5
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)