

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: P582834

Luminaire Tested: **HCC6S50D010MB-HM64560940-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S50D010MB-HM64560940-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

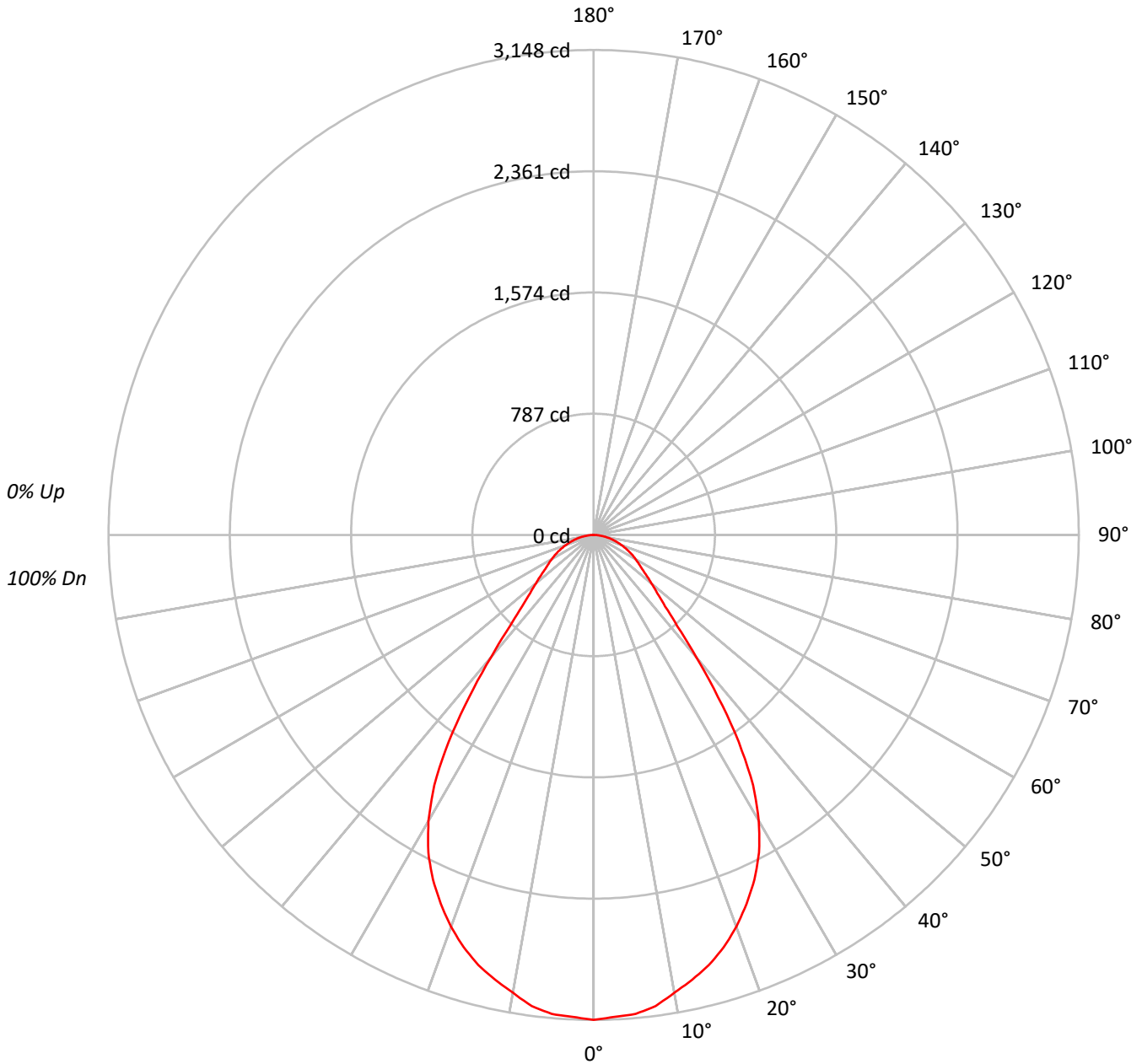
Lumens per Lamp: N/A
Luminaire Lumens: 4556.4 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582834
CATALOG NUMBER: HCC6S50D010MB-HM64560940-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582834

CATALOG NUMBER: HCC6S50D010MB-HM64560940-61NDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172579
5°	171764
10°	167972
15°	164025
20°	157864
25°	149295
30°	135679
35°	109821
40°	74053
45°	50889
50°	41696
55°	36491
60°	34526
65°	32585
70°	30582
75°	29103
80°	26424
85°	23147



TEST NUMBER: P582834
 CATALOG NUMBER: HCC6S50D010MB-HM64560940-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.7	6.5
10°-20°	811.6	17.8
20°-30°	1127.6	24.7
30°-40°	1004.0	22.0
40°-50°	533.0	11.7
50°-60°	348.6	7.6
60°-70°	249.8	5.5
70°-80°	144.9	3.2
80°-90°	42.3	0.9
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°	2233.9	49.0
0°-40°	3237.9	71.1
0°-60°	4119.4	90.4
0°-90°	4556.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4556.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3148	
5°	3121	295
15°	2890	812
25°	2468	1128
35°	1641	1004
45°	656	533
55°	382	349
65°	251	250
75°	137	145
85°	37	42
90°	0	



TEST NUMBER: P582834
CATALOG NUMBER: HCC6S50D010MB-HM64560940-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3148.1
2.5°	3131.3
5°	3121.3
7.5°	3084.4
10°	3017.5
12.5°	2957.2
15°	2890.1
17.5°	2806.5
20°	2706.0
22.5°	2592.2
25°	2468.2
27.5°	2324.2
30°	2143.4
32.5°	1925.7
35°	1641.0
37.5°	1326.3
40°	1034.8
42.5°	803.8
45°	656.4
47.5°	559.3
50°	488.9
52.5°	432.0
55°	381.8
57.5°	345.0
60°	314.9
62.5°	284.6
65°	251.2
67.5°	221.1
70°	190.8
72.5°	164.2
75°	137.4
77.5°	110.5
80°	83.7
82.5°	60.2
85°	36.8
87.5°	16.8
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)