

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: P582715

Luminaire Tested: **HCC6S50D010SL-HM64560827-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582715
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: HCC6S50D010SL-HM64560827-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

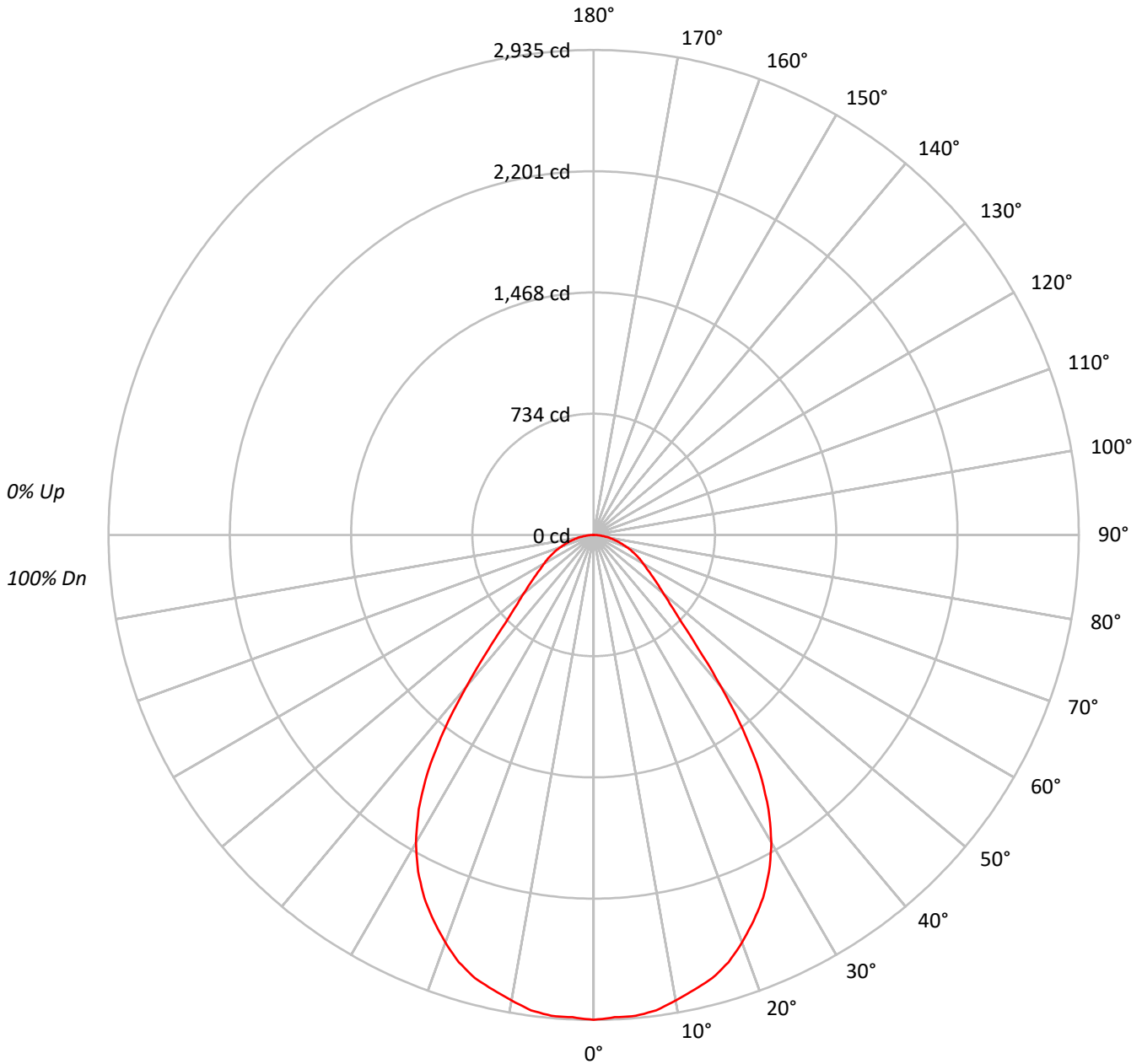
Lumens per Lamp: N/A
Luminaire Lumens: 4714.4 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582715
CATALOG NUMBER: HCC6S50D010SL-HM64560827-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582715
 CATALOG NUMBER: HCC6S50D010SL-HM64560827-61WDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	160881
5°	160785
10°	159227
15°	157572
20°	153127
25°	146658
30°	136103
35°	117102
40°	85489
45°	58572
50°	47086
55°	41040
60°	37870
65°	36022
70°	33643
75°	31454
80°	28507
85°	24342



TEST NUMBER: P582715
 CATALOG NUMBER: HCC6S50D010SL-HM64560827-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.0	5.9
10°-20°	779.8	16.5
20°-30°	1109.0	23.5
30°-40°	1067.7	22.6
40°-50°	614.3	13.0
50°-60°	389.2	8.3
60°-70°	275.6	5.8
70°-80°	157.1	3.3
80°-90°	44.8	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°	2165.7	45.9
0°-40°	3233.4	68.6
0°-60°	4237.0	89.9
0°-90°	4714.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4714.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2935	
5°	2922	277
15°	2776	780
25°	2425	1109
35°	1750	1068
45°	756	614
55°	429	389
65°	278	276
75°	148	157
85°	39	45
90°	0	



TEST NUMBER: P582715
CATALOG NUMBER: HCC6S50D010SL-HM64560827-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2934.7
2.5°	2921.8
5°	2921.8
7.5°	2902.4
10°	2860.4
12.5°	2818.5
15°	2776.4
17.5°	2711.9
20°	2624.8
22.5°	2527.9
25°	2424.6
27.5°	2298.7
30°	2150.1
32.5°	1969.3
35°	1749.8
37.5°	1481.9
40°	1194.6
42.5°	942.7
45°	755.5
47.5°	636.0
50°	552.1
52.5°	484.2
55°	429.4
57.5°	381.0
60°	345.4
62.5°	313.2
65°	277.7
67.5°	245.4
70°	209.9
72.5°	177.6
75°	148.5
77.5°	119.4
80°	90.3
82.5°	64.6
85°	38.7
87.5°	16.2
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)