

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: P582740

Luminaire Tested: **HCC6S50D010SL-HM64560835-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S50D010SL-HM64560835-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

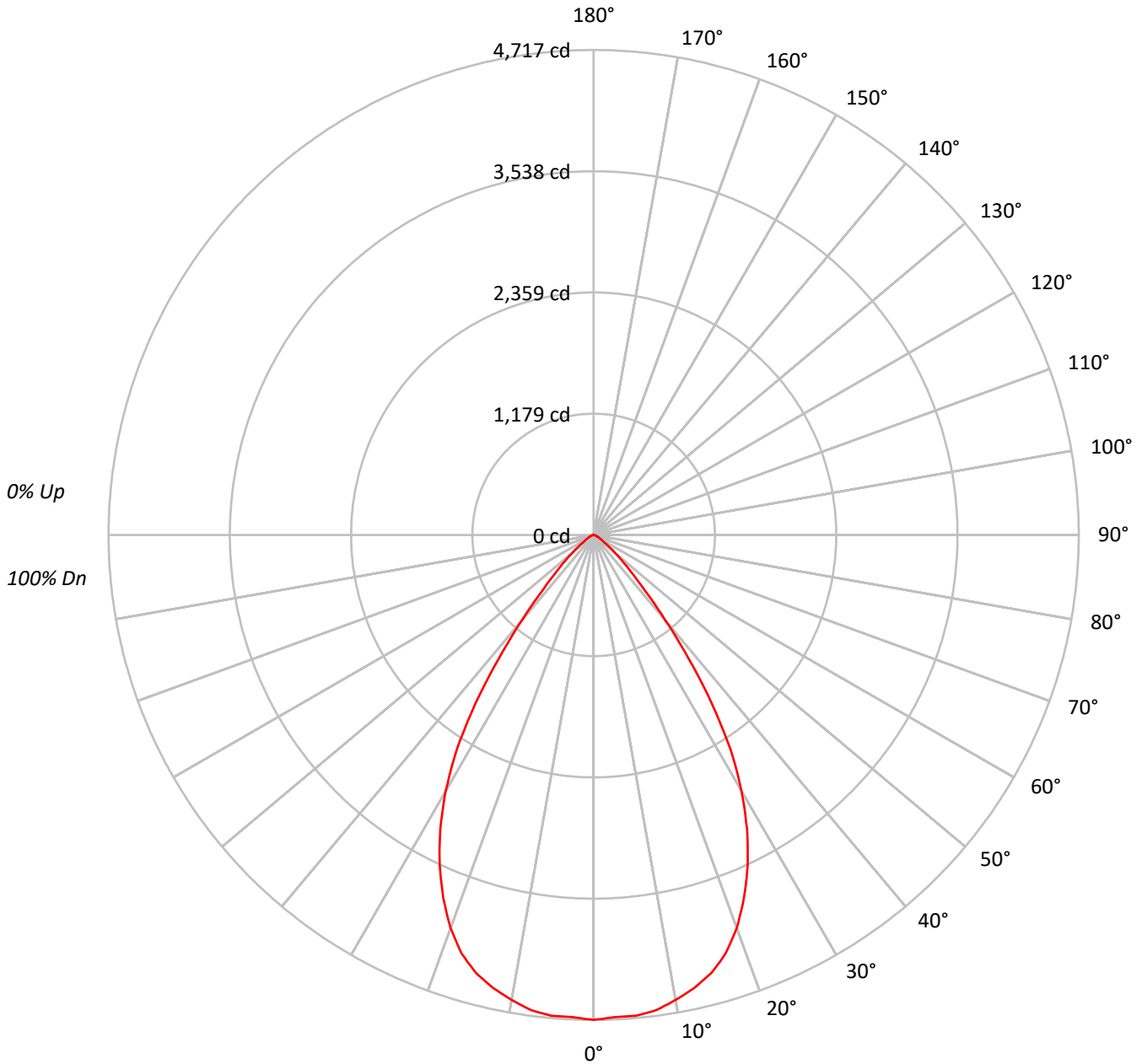
Lumens per Lamp: N/A
Luminaire Lumens: 5163.0 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (Ain): 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: P582740
CATALOG NUMBER: HCC6S50D010SL-HM64560835-61MDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P582740

CATALOG NUMBER: HCC6S50D010SL-HM64560835-61MDH

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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	258581
5°	258369
10°	255673
15°	250529
20°	237326
25°	214313
30°	182060
35°	134415
40°	77739
45°	41260
50°	23317
55°	12186
60°	7993
65°	5669
70°	4087
75°	3071
80°	2305
85°	2327



TEST NUMBER: P582740
 CATALOG NUMBER: HCC6S50D010SL-HM64560835-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.9	8.6
10°-20°	1234.7	23.9
20°-30°	1611.5	31.2
30°-40°	1231.5	23.9
40°-50°	445.9	8.6
50°-60°	129.5	2.5
60°-70°	46.3	0.9
70°-80°	15.8	0.3
80°-90°	3.0	0.1
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°	3291.1	63.7
0°-40°	4522.5	87.6
0°-60°	5097.9	98.7
0°-90°	5163.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5163.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4717	
5°	4695	445
15°	4414	1235
25°	3543	1611
35°	2008	1231
45°	532	446
55°	128	129
65°	44	46
75°	14	16
85°	4	3
90°	0	



TEST NUMBER: P582740
CATALOG NUMBER: HCC6S50D010SL-HM64560835-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	4716.9
2.5°	4695.1
5°	4695.1
7.5°	4662.2
10°	4593.0
12.5°	4512.8
15°	4414.3
17.5°	4268.6
20°	4068.1
22.5°	3820.2
25°	3543.1
27.5°	3229.7
30°	2876.1
32.5°	2478.8
35°	2008.5
37.5°	1516.4
40°	1086.3
42.5°	750.9
45°	532.2
47.5°	382.8
50°	273.4
52.5°	193.2
55°	127.5
57.5°	91.2
60°	72.9
62.5°	58.3
65°	43.7
67.5°	36.5
70°	25.5
72.5°	18.2
75°	14.5
77.5°	11.0
80°	7.3
82.5°	3.7
85°	3.7
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)