

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: P582776

Luminaire Tested: **HCC6S50D010SL-HM64560927-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582776
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-HM64560927-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

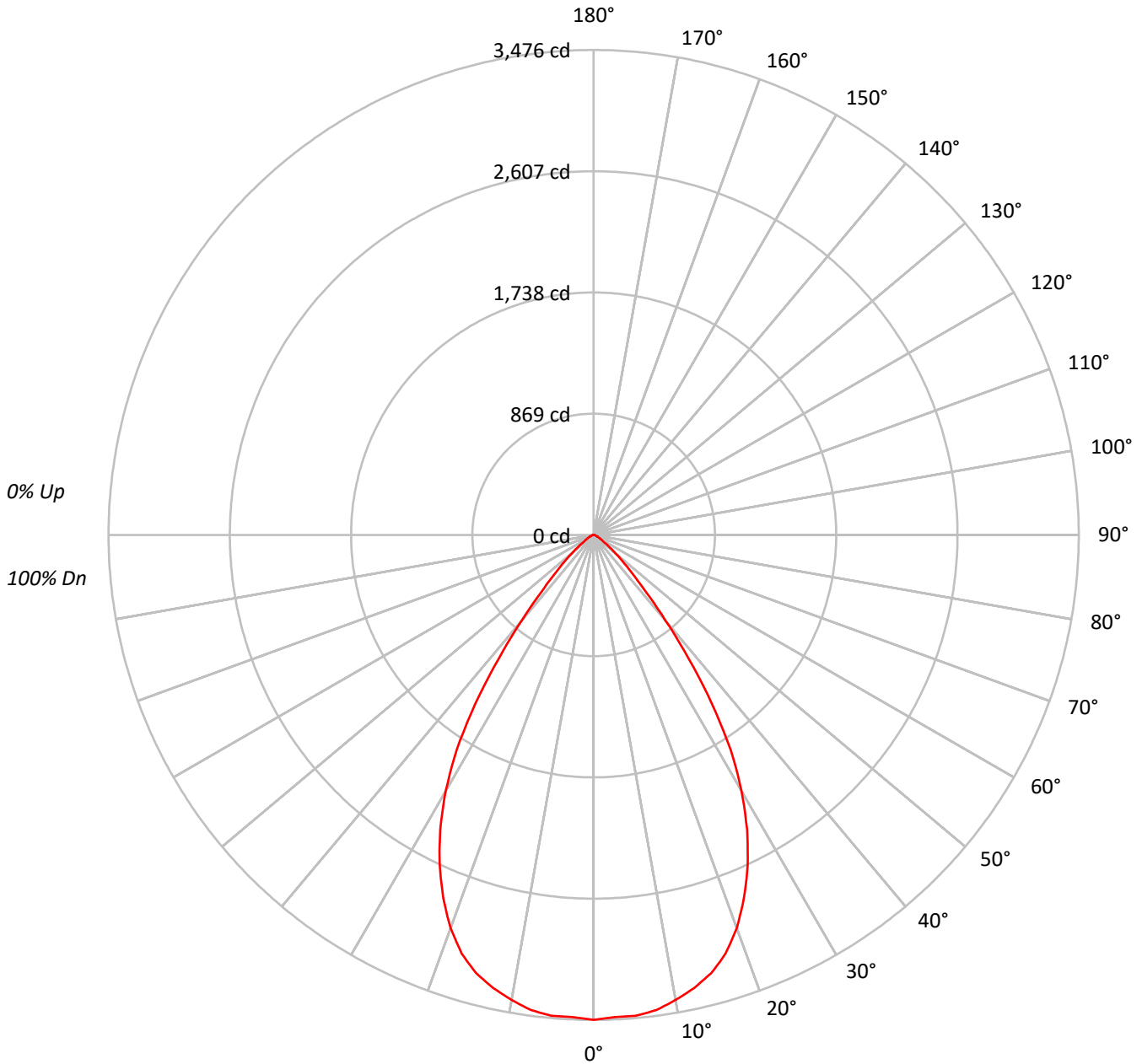
Lumens per Lamp: N/A
Luminaire Lumens: 3804.6 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
Input Voltage (V): NR
Input Current (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: P582776
CATALOG NUMBER: HCC6S50D010SL-HM64560927-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582776
 CATALOG NUMBER: HCC6S50D010SL-HM64560927-61MDH

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°	190549
5°	190386
10°	188407
15°	184615
20°	174881
25°	157933
30°	134160
35°	99046
40°	57286
45°	30406
50°	17185
55°	8984
60°	5888
65°	4177
70°	3013
75°	2266
80°	1673
85°	1698



TEST NUMBER: P582776
 CATALOG NUMBER: HCC6S50D010SL-HM64560927-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.9	8.6
10°-20°	909.8	23.9
20°-30°	1187.5	31.2
30°-40°	907.5	23.9
40°-50°	328.5	8.6
50°-60°	95.4	2.5
60°-70°	34.1	0.9
70°-80°	11.7	0.3
80°-90°	2.2	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°	2425.2	63.7
0°-40°	3332.7	87.6
0°-60°	3756.6	98.7
0°-90°	3804.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3804.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3476	
5°	3460	328
15°	3253	910
25°	2611	1188
35°	1480	907
45°	392	329
55°	94	95
65°	32	34
75°	11	12
85°	3	2
90°	0	



TEST NUMBER: P582776
CATALOG NUMBER: HCC6S50D010SL-HM64560927-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3475.9
2.5°	3459.7
5°	3459.7
7.5°	3435.6
10°	3384.6
12.5°	3325.5
15°	3252.9
17.5°	3145.5
20°	2997.7
22.5°	2815.1
25°	2611.0
27.5°	2380.0
30°	2119.4
32.5°	1826.7
35°	1480.0
37.5°	1117.5
40°	800.5
42.5°	553.3
45°	392.2
47.5°	282.0
50°	201.5
52.5°	142.3
55°	94.0
57.5°	67.2
60°	53.7
62.5°	43.0
65°	32.2
67.5°	26.8
70°	18.8
72.5°	13.5
75°	10.7
77.5°	8.0
80°	5.3
82.5°	2.7
85°	2.7
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)