

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: P582560

Luminaire Tested: **HCC6S45D010MW-HM64560827-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582560
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: HCC6S45D010MW-HM64560827-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

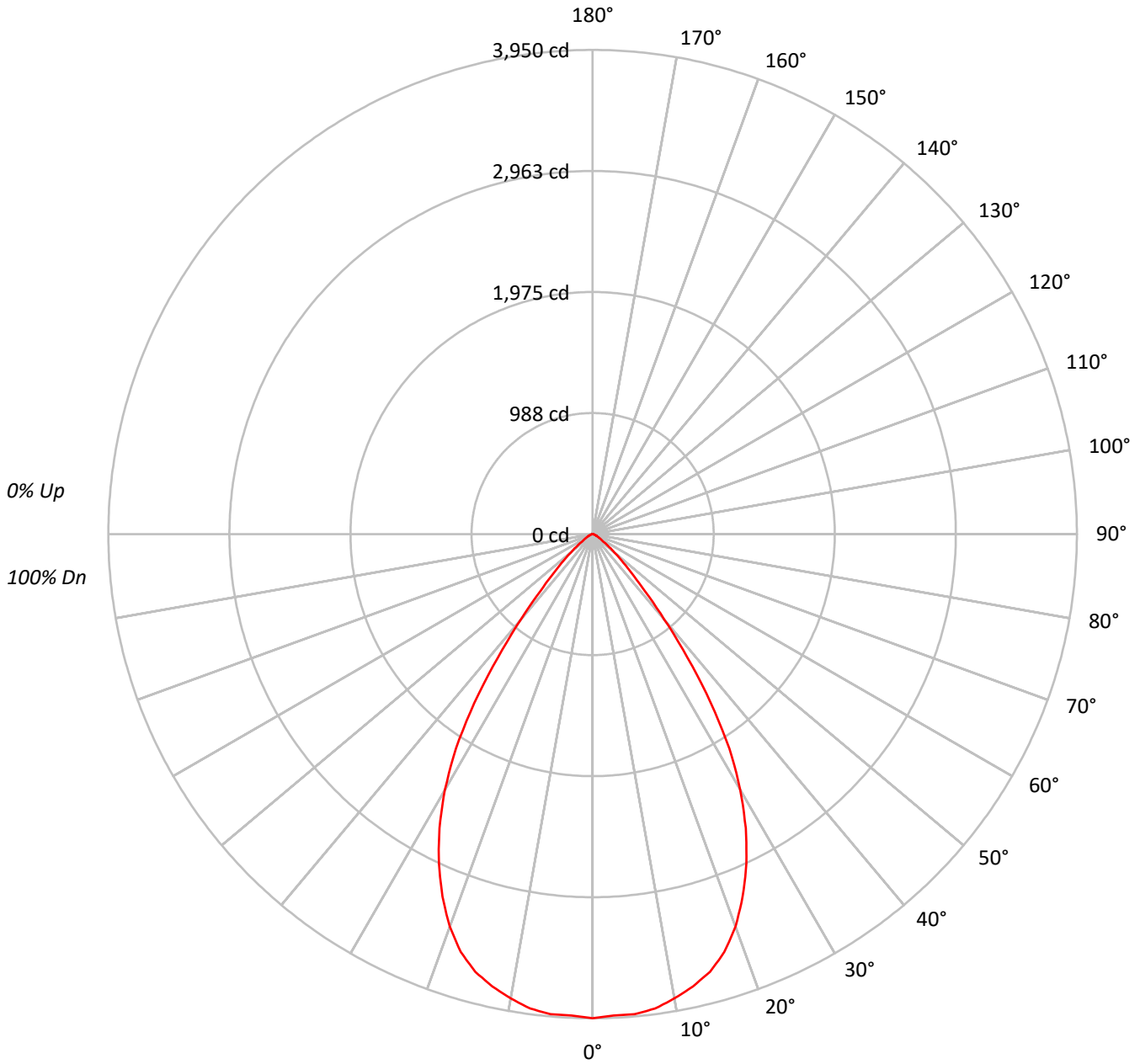
Lumens per Lamp: N/A
Luminaire Lumens: 4323.4 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P582560
CATALOG NUMBER: HCC6S45D010MW-HM64560827-61MDH

Luminous Intensity Polar Plot



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



TEST NUMBER: P582560

CATALOG NUMBER: HCC6S45D010MW-HM64560827-61MDH

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°	216540
5°	216349
10°	214096
15°	209797
20°	198730
25°	179466
30°	152454
35°	112565
40°	65101
45°	34546
50°	19530
55°	10217
60°	6688
65°	4748
70°	3414
75°	2584
80°	1926
85°	1887



TEST NUMBER: P582560
 CATALOG NUMBER: HCC6S45D010MW-HM64560827-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	372.6	8.6
10°-20°	1033.9	23.9
20°-30°	1349.4	31.2
30°-40°	1031.2	23.9
40°-50°	373.4	8.6
50°-60°	108.5	2.5
60°-70°	38.7	0.9
70°-80°	13.2	0.3
80°-90°	2.5	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°	2755.9	63.7
0°-40°	3787.1	87.6
0°-60°	4269.0	98.7
0°-90°	4323.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4323.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3950	
5°	3932	373
15°	3697	1034
25°	2967	1349
35°	1682	1031
45°	446	373
55°	107	108
65°	37	39
75°	12	13
85°	3	2
90°	0	



TEST NUMBER: P582560
CATALOG NUMBER: HCC6S45D010MW-HM64560827-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3950.0
2.5°	3931.5
5°	3931.5
7.5°	3904.1
10°	3846.1
12.5°	3778.9
15°	3696.6
17.5°	3574.5
20°	3406.5
22.5°	3199.0
25°	2967.0
27.5°	2704.5
30°	2408.4
32.5°	2075.7
35°	1682.0
37.5°	1269.8
40°	909.7
42.5°	628.8
45°	445.6
47.5°	320.5
50°	229.0
52.5°	161.8
55°	106.9
57.5°	76.4
60°	61.0
62.5°	48.8
65°	36.6
67.5°	30.5
70°	21.3
72.5°	15.2
75°	12.2
77.5°	9.1
80°	6.1
82.5°	3.0
85°	3.0
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)