

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: P593315

Luminaire Tested: **HCC6S45D010MB-HM64560850-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010MB-HM64560850-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

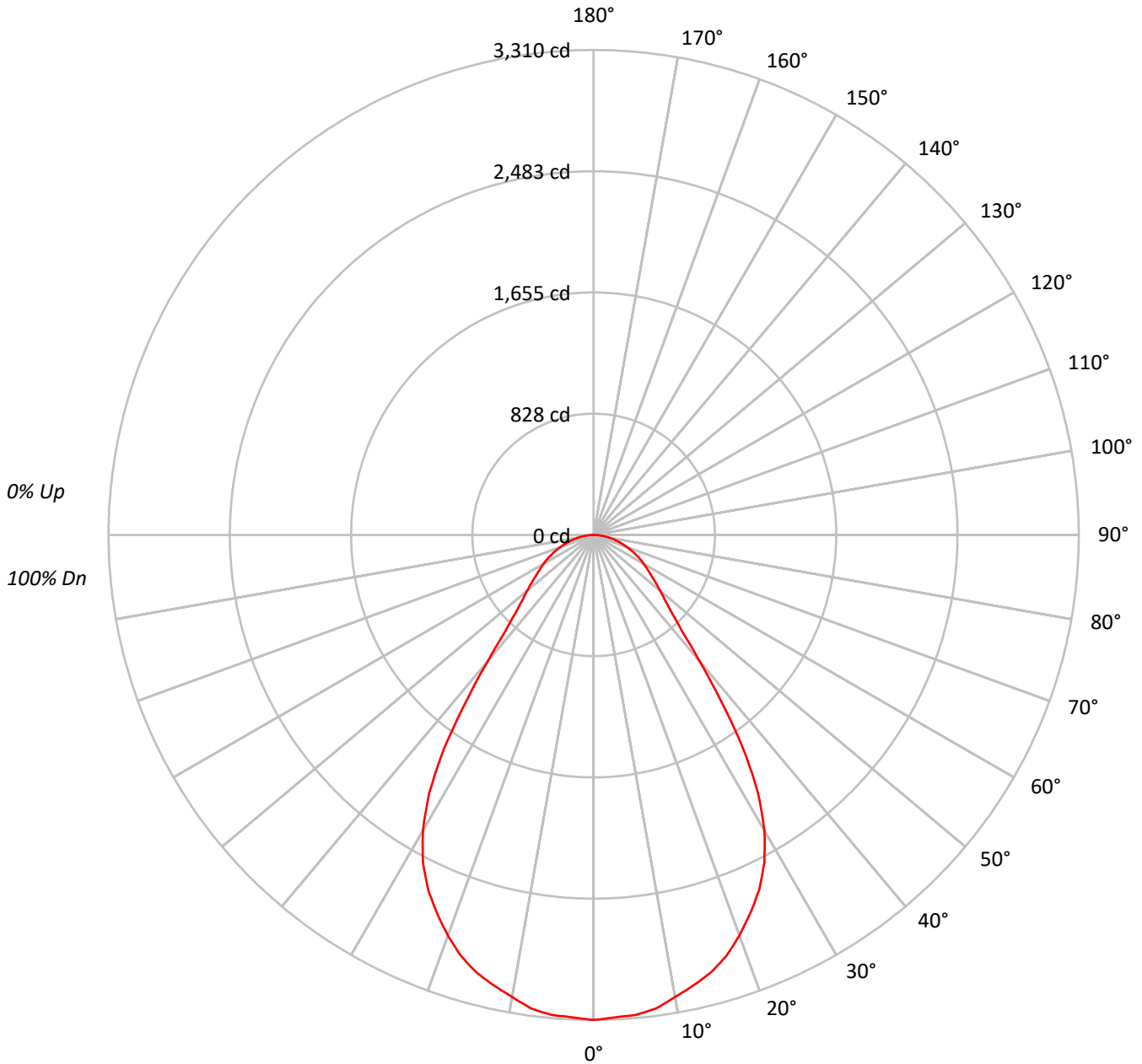
Lumens per Lamp: N/A
Luminaire Lumens: 5076.8 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P593315
CATALOG NUMBER: HCC6S45D010MB-HM64560850-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P593315

CATALOG NUMBER: HCC6S45D010MB-HM64560850-61PSMDW

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
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	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56		
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51		
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	181460
5°	180965
10°	178264
15°	175444
20°	169666
25°	161604
30°	147554
35°	118802
40°	80071
45°	58386
50°	50472
55°	45580
60°	43253
65°	40925
70°	38500
75°	36452
80°	33969
85°	31575



TEST NUMBER: P593315
 CATALOG NUMBER: HCC6S45D010MB-HM64560850-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.2	6.1
10°-20°	868.1	17.1
20°-30°	1219.7	24.0
30°-40°	1085.7	21.4
40°-50°	606.7	12.0
50°-60°	432.3	8.5
60°-70°	314.5	6.2
70°-80°	182.1	3.6
80°-90°	56.6	1.1
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°	2399.0	47.3
0°-40°	3484.7	68.6
0°-60°	4523.6	89.1
0°-90°	5076.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5076.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3310	
5°	3288	311
15°	3091	868
25°	2672	1220
35°	1775	1086
45°	753	607
55°	477	432
65°	316	314
75°	172	182
85°	50	57
90°	0	



TEST NUMBER: P593315
CATALOG NUMBER: HCC6S45D010MB-HM64560850-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3310.1
2.5°	3295.7
5°	3288.5
7.5°	3259.9
10°	3202.4
12.5°	3148.7
15°	3091.3
17.5°	3012.4
20°	2908.3
22.5°	2793.6
25°	2671.7
27.5°	2521.1
30°	2331.0
32.5°	2087.1
35°	1775.2
37.5°	1423.7
40°	1118.9
42.5°	893.0
45°	753.1
47.5°	659.8
50°	591.8
52.5°	530.8
55°	476.9
57.5°	433.9
60°	394.5
62.5°	358.6
65°	315.5
67.5°	279.8
70°	240.2
72.5°	204.5
75°	172.1
77.5°	139.8
80°	107.6
82.5°	78.9
85°	50.2
87.5°	25.1
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)