

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: P582655

Luminaire Tested: **HCC6S45D010BZ-HM64560930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582655
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: HCC6S45D010BZ-HM64560930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

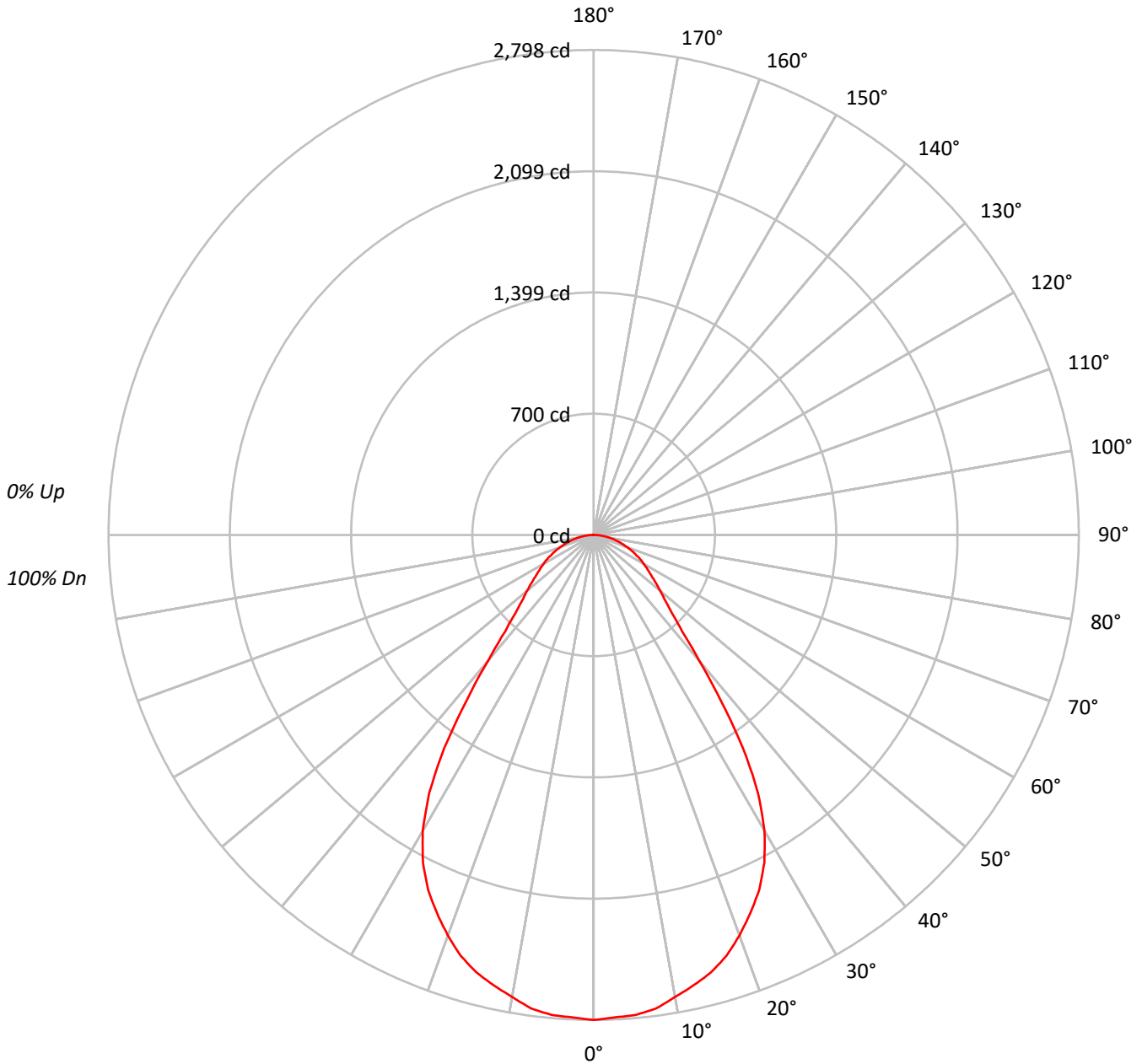
Lumens per Lamp: N/A
Luminaire Lumens: 4291.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582655
CATALOG NUMBER: HCC6S45D010BZ-HM64560930-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582655

CATALOG NUMBER: HCC6S45D010BZ-HM64560930-61PSMDW

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°	153403
5°	152988
10°	150704
15°	148315
20°	143437
25°	136617
30°	124741
35°	100431
40°	67691
45°	49362
50°	42668
55°	38546
60°	36565
65°	34595
70°	32570
75°	30839
80°	28697
85°	26732



TEST NUMBER: P582655
 CATALOG NUMBER: HCC6S45D010BZ-HM64560930-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	6.1
10°-20°	733.9	17.1
20°-30°	1031.1	24.0
30°-40°	917.8	21.4
40°-50°	512.9	12.0
50°-60°	365.4	8.5
60°-70°	265.9	6.2
70°-80°	153.9	3.6
80°-90°	47.8	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°	2028.1	47.3
0°-40°	2945.9	68.6
0°-60°	3824.3	89.1
0°-90°	4291.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4291.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2798	
5°	2780	263
15°	2613	734
25°	2259	1031
35°	1501	918
45°	637	513
55°	403	365
65°	267	266
75°	146	154
85°	42	48
90°	0	



TEST NUMBER: P582655
CATALOG NUMBER: HCC6S45D010BZ-HM64560930-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2798.3
2.5°	2786.1
5°	2780.1
7.5°	2755.8
10°	2707.3
12.5°	2661.9
15°	2613.3
17.5°	2546.7
20°	2458.7
22.5°	2361.7
25°	2258.6
27.5°	2131.3
30°	1970.6
32.5°	1764.4
35°	1500.7
37.5°	1203.6
40°	945.9
42.5°	754.9
45°	636.7
47.5°	557.9
50°	500.3
52.5°	448.7
55°	403.3
57.5°	366.8
60°	333.5
62.5°	303.2
65°	266.7
67.5°	236.5
70°	203.2
72.5°	172.8
75°	145.6
77.5°	118.2
80°	90.9
82.5°	66.7
85°	42.5
87.5°	21.2
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)