

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: P582607

Luminaire Tested: **HCC6S45D010BZ-HM64560835-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582607
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S45D010BZ-HM64560835-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

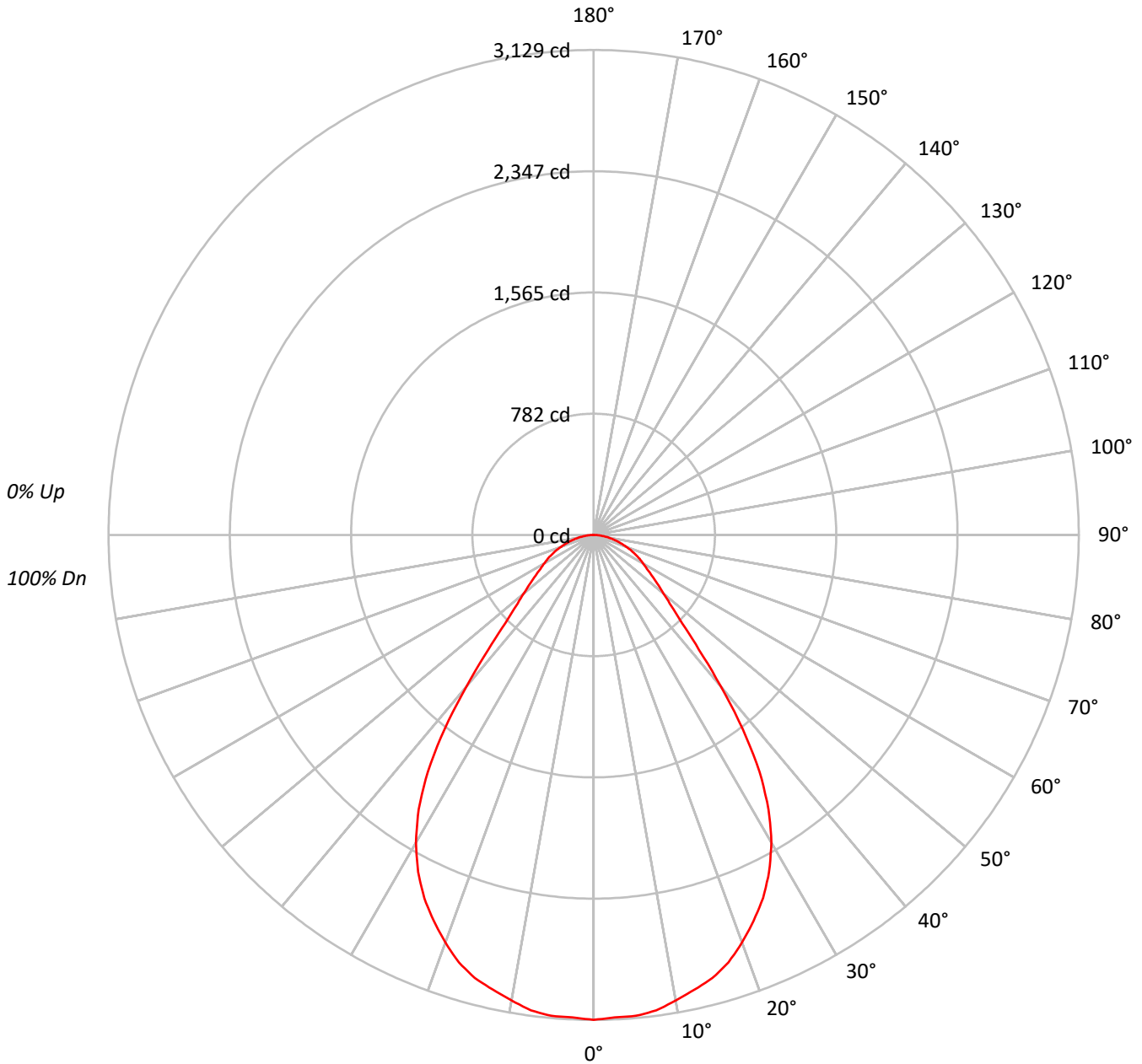
Lumens per Lamp: N/A
Luminaire Lumens: 5026.6 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582607
CATALOG NUMBER: HCC6S45D010BZ-HM64560835-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582607
 CATALOG NUMBER: HCC6S45D010BZ-HM64560835-61WDW

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	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89	
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78	
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69	
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			62	
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			56	
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			51	
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			46	
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			42	
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39	
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			36	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	171532
5°	171434
10°	169770
15°	168009
20°	163260
25°	156372
30°	145117
35°	124858
40°	91142
45°	62448
50°	50199
55°	43755
60°	40381
65°	38409
70°	35855
75°	33551
80°	30433
85°	25977



TEST NUMBER: P582607
 CATALOG NUMBER: HCC6S45D010BZ-HM64560835-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.3	5.9
10°-20°	831.4	16.5
20°-30°	1182.4	23.5
30°-40°	1138.4	22.6
40°-50°	655.0	13.0
50°-60°	415.0	8.3
60°-70°	293.8	5.8
70°-80°	167.5	3.3
80°-90°	47.8	1.0
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°	2309.1	45.9
0°-40°	3447.5	68.6
0°-60°	4517.5	89.9
0°-90°	5026.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5026.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3129	
5°	3115	295
15°	2960	831
25°	2585	1182
35°	1866	1138
45°	806	655
55°	458	415
65°	296	294
75°	158	167
85°	41	48
90°	0	



TEST NUMBER: P582607
CATALOG NUMBER: HCC6S45D010BZ-HM64560835-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3129.0
2.5°	3115.3
5°	3115.3
7.5°	3094.6
10°	3049.8
12.5°	3005.1
15°	2960.3
17.5°	2891.4
20°	2798.5
22.5°	2695.3
25°	2585.2
27.5°	2450.9
30°	2292.5
32.5°	2099.8
35°	1865.7
37.5°	1580.0
40°	1273.6
42.5°	1005.1
45°	805.5
47.5°	678.1
50°	588.6
52.5°	516.4
55°	457.8
57.5°	406.2
60°	368.3
62.5°	334.0
65°	296.1
67.5°	261.6
70°	223.7
72.5°	189.3
75°	158.4
77.5°	127.4
80°	96.4
82.5°	68.9
85°	41.3
87.5°	17.2
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)