

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: P582601

Luminaire Tested: **HCC6W45D010MB-HM64560835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582601
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: HCC6W45D010MB-HM64560835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

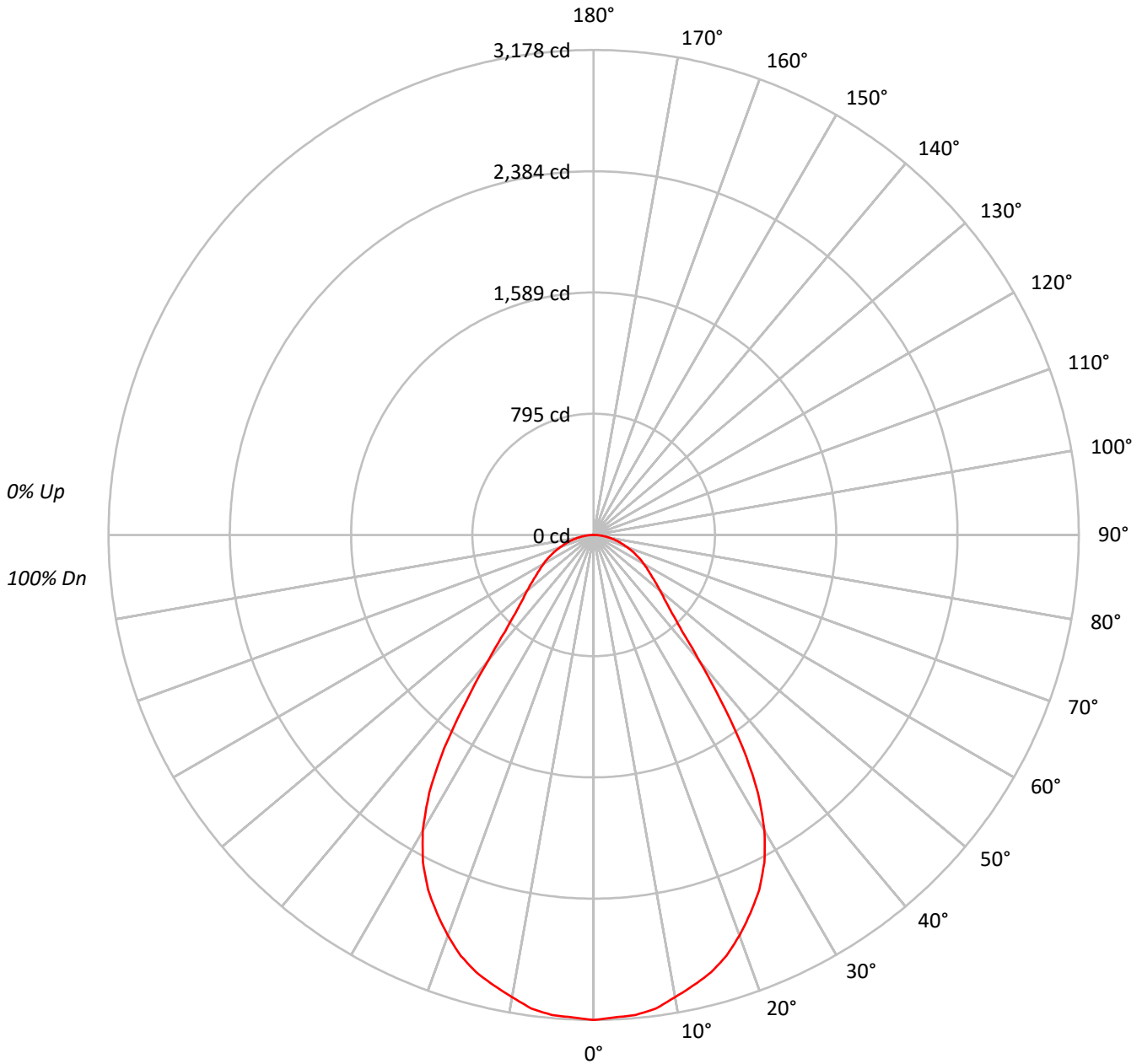
Lumens per Lamp: N/A
Luminaire Lumens: 4875.2 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582601
CATALOG NUMBER: HCC6W45D010MB-HM64560835-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582601
 CATALOG NUMBER: HCC6W45D010MB-HM64560835-61PSMDW

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	0	
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°	174246
5°	173772
10°	171189
15°	168474
20°	162927
25°	155186
30°	141693
35°	114077
40°	76894
45°	56068
50°	48459
55°	43783
60°	41532
65°	39317
70°	36977
75°	35012
80°	32611
85°	30317



TEST NUMBER: P582601
 CATALOG NUMBER: HCC6W45D010MB-HM64560835-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.9	6.1
10°-20°	833.6	17.1
20°-30°	1171.2	24.0
30°-40°	1042.5	21.4
40°-50°	582.6	12.0
50°-60°	415.1	8.5
60°-70°	302.0	6.2
70°-80°	174.8	3.6
80°-90°	54.4	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°	2303.7	47.3
0°-40°	3346.2	68.6
0°-60°	4344.0	89.1
0°-90°	4875.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4875.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3178	
5°	3158	299
15°	2968	834
25°	2566	1171
35°	1705	1043
45°	723	583
55°	458	415
65°	303	302
75°	165	175
85°	48	54
90°	0	



TEST NUMBER: P582601
CATALOG NUMBER: HCC6W45D010MB-HM64560835-61PSMDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3178.5
2.5°	3164.8
5°	3157.8
7.5°	3130.3
10°	3075.3
12.5°	3023.5
15°	2968.5
17.5°	2892.7
20°	2792.8
22.5°	2682.7
25°	2565.6
27.5°	2421.0
30°	2238.4
32.5°	2004.2
35°	1704.6
37.5°	1367.1
40°	1074.5
42.5°	857.5
45°	723.2
47.5°	633.7
50°	568.2
52.5°	509.7
55°	458.1
57.5°	416.6
60°	378.8
62.5°	344.4
65°	303.1
67.5°	268.6
70°	230.7
72.5°	196.2
75°	165.3
77.5°	134.3
80°	103.3
82.5°	75.8
85°	48.2
87.5°	24.2
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)