

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: P582698

Luminaire Tested: **HCC6W45D010MW-HM64560940-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582698
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010MW-HM64560940-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

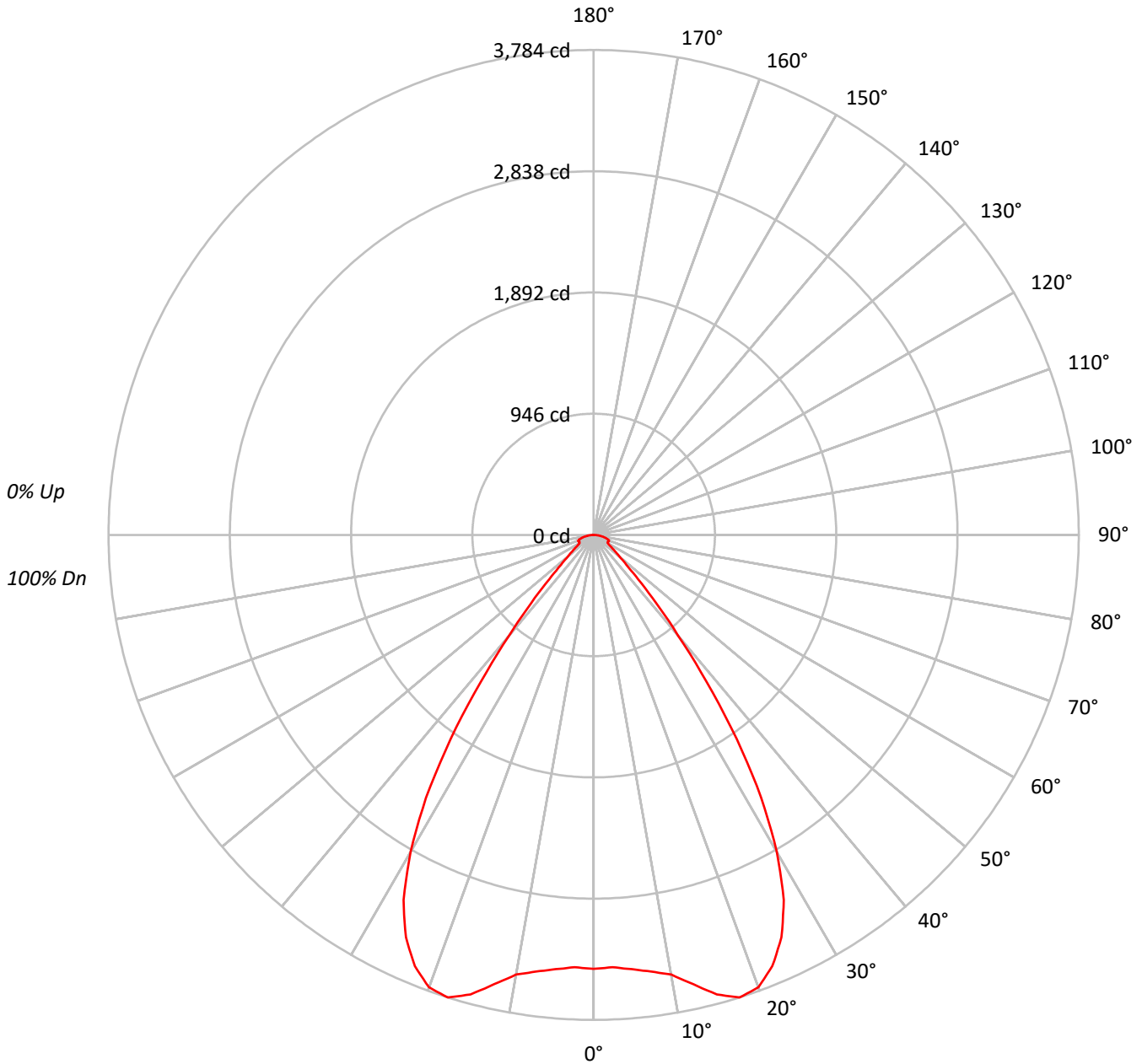
Lumens per Lamp: N/A
Luminaire Lumens: 4976.1 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582698
CATALOG NUMBER: HCC6W45D010MW-HM64560940-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582698
 CATALOG NUMBER: HCC6W45D010MW-HM64560940-61WDWB

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	185588
5°	187167
10°	193912
15°	210631
20°	219096
25°	209565
30°	180857
35°	130219
40°	73359
45°	38019
50°	22669
55°	16334
60°	13880
65°	16007
70°	20292
75°	21435
80°	20962
85°	19939



TEST NUMBER: P582698
 CATALOG NUMBER: HCC6W45D010MW-HM64560940-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.3	6.6
10°-20°	1046.8	21.0
20°-30°	1564.6	31.4
30°-40°	1196.0	24.0
40°-50°	417.7	8.4
50°-60°	159.2	3.2
60°-70°	124.9	2.5
70°-80°	105.6	2.1
80°-90°	34.0	0.7
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°	2938.6	59.1
0°-40°	4134.6	83.1
0°-60°	4711.5	94.7
0°-90°	4976.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4976.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3385	
5°	3401	327
15°	3711	1047
25°	3465	1565
35°	1946	1196
45°	490	418
55°	171	159
65°	123	125
75°	101	106
85°	32	34
90°	0	



TEST NUMBER: P582698

CATALOG NUMBER: HCC6W45D010MW-HM64560940-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3385.4
2.5°	3375.9
5°	3401.2
7.5°	3436.1
10°	3483.5
12.5°	3591.1
15°	3711.3
17.5°	3784.1
20°	3755.6
22.5°	3641.7
25°	3464.6
27.5°	3211.4
30°	2857.1
32.5°	2433.0
35°	1945.8
37.5°	1442.8
40°	1025.1
42.5°	718.2
45°	490.4
47.5°	344.9
50°	265.8
52.5°	208.8
55°	170.9
57.5°	139.2
60°	126.6
62.5°	123.4
65°	123.4
67.5°	129.7
70°	126.6
72.5°	117.1
75°	101.2
77.5°	85.4
80°	66.4
82.5°	47.5
85°	31.7
87.5°	12.7
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)