

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: P582641

Luminaire Tested: **HCC6W45D010MW-HM64560927-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010MW-HM64560927-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

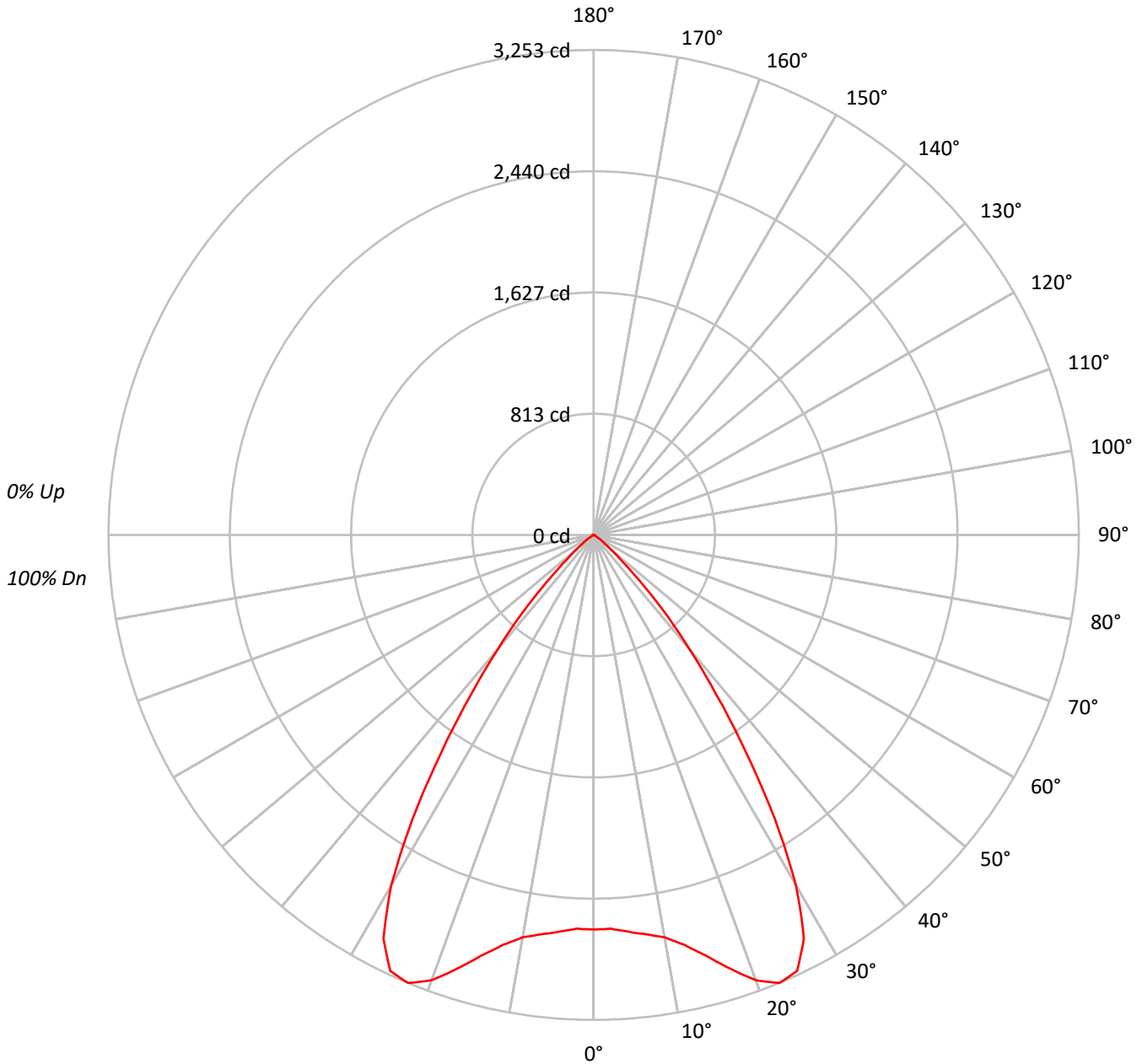
Lumens per Lamp: N/A
Luminaire Lumens: 4092.4 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): 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: P582641
CATALOG NUMBER: HCC6W45D010MW-HM64560927-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P582641

CATALOG NUMBER: HCC6W45D010MW-HM64560927-61WDC

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	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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93					93			
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78					78			
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72					72			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66					66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61					61			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56					56			
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52					52			
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48					48			
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45					45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145082
5°	147034
10°	152547
15°	165892
20°	185475
25°	195223
30°	171862
35°	119203
40°	71183
45°	33841
50°	12767
55°	5333
60°	1667
65°	1323
70°	801
75°	551
80°	821
85°	0



TEST NUMBER: P582641
 CATALOG NUMBER: HCC6W45D010MW-HM64560927-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.1	6.3
10°-20°	839.3	20.5
20°-30°	1438.2	35.1
30°-40°	1117.0	27.3
40°-50°	369.3	9.0
50°-60°	56.6	1.4
60°-70°	10.0	0.2
70°-80°	3.7	0.1
80°-90°	1.1	0.0
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°	2534.7	61.9
0°-40°	3651.7	89.2
0°-60°	4077.6	99.6
0°-90°	4092.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4092.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2646	
5°	2672	257
15°	2923	839
25°	3228	1438
35°	1781	1117
45°	436	369
55°	56	57
65°	10	10
75°	3	4
85°	0	1
90°	0	



TEST NUMBER: P582641
CATALOG NUMBER: HCC6W45D010MW-HM64560927-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	2646.5
2.5°	2643.9
5°	2671.9
7.5°	2702.2
10°	2740.4
12.5°	2816.5
15°	2923.0
17.5°	3052.5
20°	3179.3
22.5°	3252.8
25°	3227.5
27.5°	3052.5
30°	2715.0
32.5°	2260.8
35°	1781.2
37.5°	1352.5
40°	994.7
42.5°	702.9
45°	436.5
47.5°	243.6
50°	149.7
52.5°	91.4
55°	55.8
57.5°	27.9
60°	15.2
62.5°	12.7
65°	10.2
67.5°	7.6
70°	5.0
72.5°	5.0
75°	2.6
77.5°	2.6
80°	2.6
82.5°	2.6
85°	0.0
87.5°	0.0
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)