

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: P582716

Luminaire Tested: **HCC6W50D010MW-HM64560827-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582716
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: HCC6W50D010MW-HM64560827-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

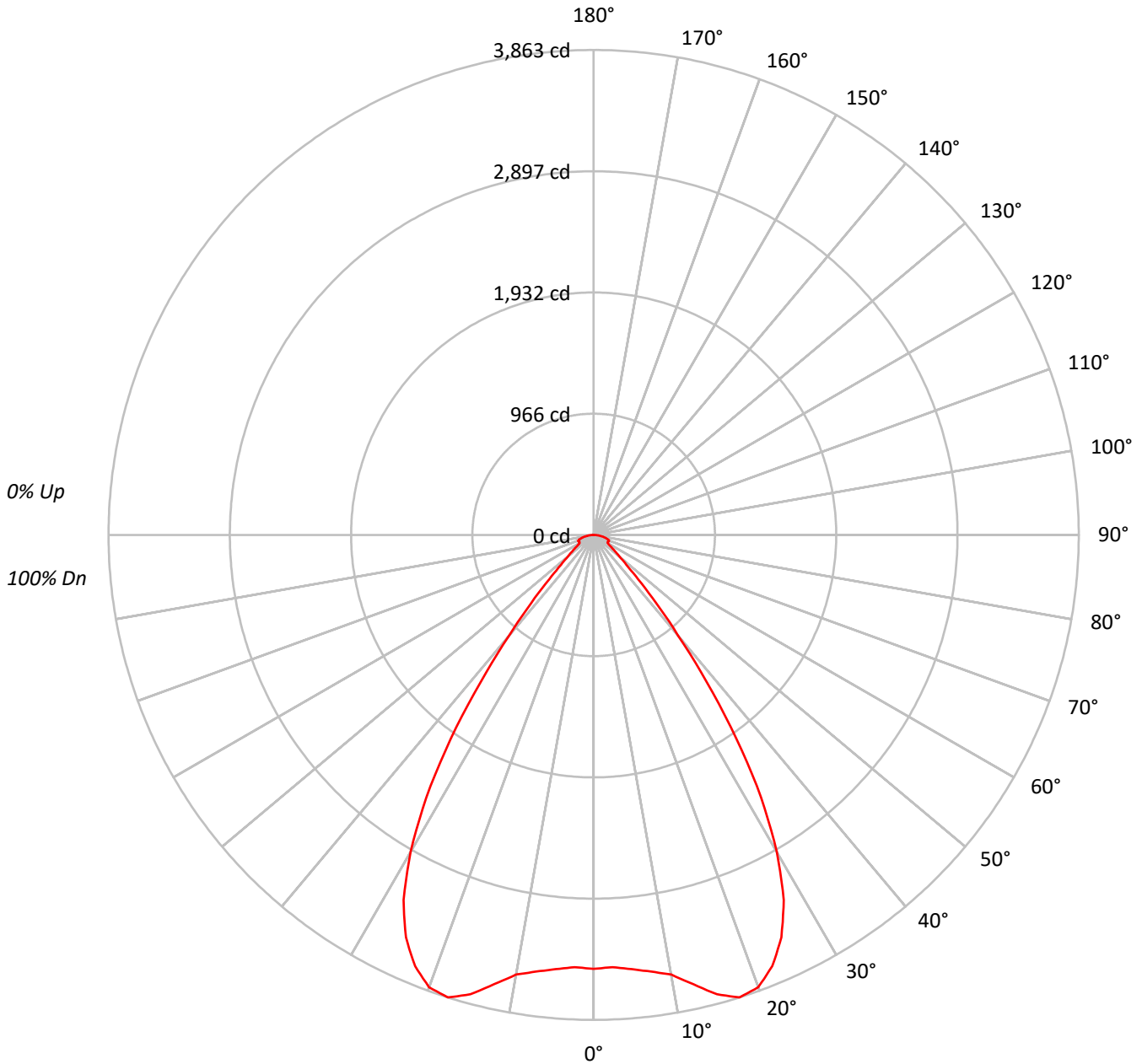
Lumens per Lamp: N/A
Luminaire Lumens: 5079.3 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P582716
CATALOG NUMBER: HCC6W50D010MW-HM64560827-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582716

CATALOG NUMBER: HCC6W50D010MW-HM64560827-61WDWB

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	0
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°	189442
5°	191052
10°	197937
15°	215001
20°	223640
25°	213908
30°	184611
35°	132923
40°	74883
45°	38810
50°	23138
55°	16668
60°	14166
65°	16344
70°	20709
75°	21880
80°	21404
85°	20254



TEST NUMBER: P582716

CATALOG NUMBER: HCC6W50D010MW-HM64560827-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.1	6.6
10°-20°	1068.5	21.0
20°-30°	1597.0	31.4
30°-40°	1220.8	24.0
40°-50°	426.4	8.4
50°-60°	162.5	3.2
60°-70°	127.5	2.5
70°-80°	107.8	2.1
80°-90°	34.7	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°	2999.6	59.1
0°-40°	4220.4	83.1
0°-60°	4809.3	94.7
0°-90°	5079.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5079.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3456	
5°	3472	334
15°	3788	1068
25°	3536	1597
35°	1986	1221
45°	501	426
55°	174	162
65°	126	127
75°	103	108
85°	32	35
90°	0	



TEST NUMBER: P582716
CATALOG NUMBER: HCC6W50D010MW-HM64560827-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3455.7
2.5°	3446.0
5°	3471.8
7.5°	3507.3
10°	3555.8
12.5°	3665.6
15°	3788.3
17.5°	3862.6
20°	3833.5
22.5°	3717.3
25°	3536.4
27.5°	3278.1
30°	2916.4
32.5°	2483.5
35°	1986.2
37.5°	1472.7
40°	1046.4
42.5°	733.2
45°	500.6
47.5°	352.1
50°	271.3
52.5°	213.2
55°	174.4
57.5°	142.1
60°	129.2
62.5°	126.0
65°	126.0
67.5°	132.4
70°	129.2
72.5°	119.5
75°	103.3
77.5°	87.2
80°	67.8
82.5°	48.4
85°	32.2
87.5°	12.9
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)