

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: P582870

Luminaire Tested: **HCC6W05D010MW-HM60525830-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W05D010MW-HM60525830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

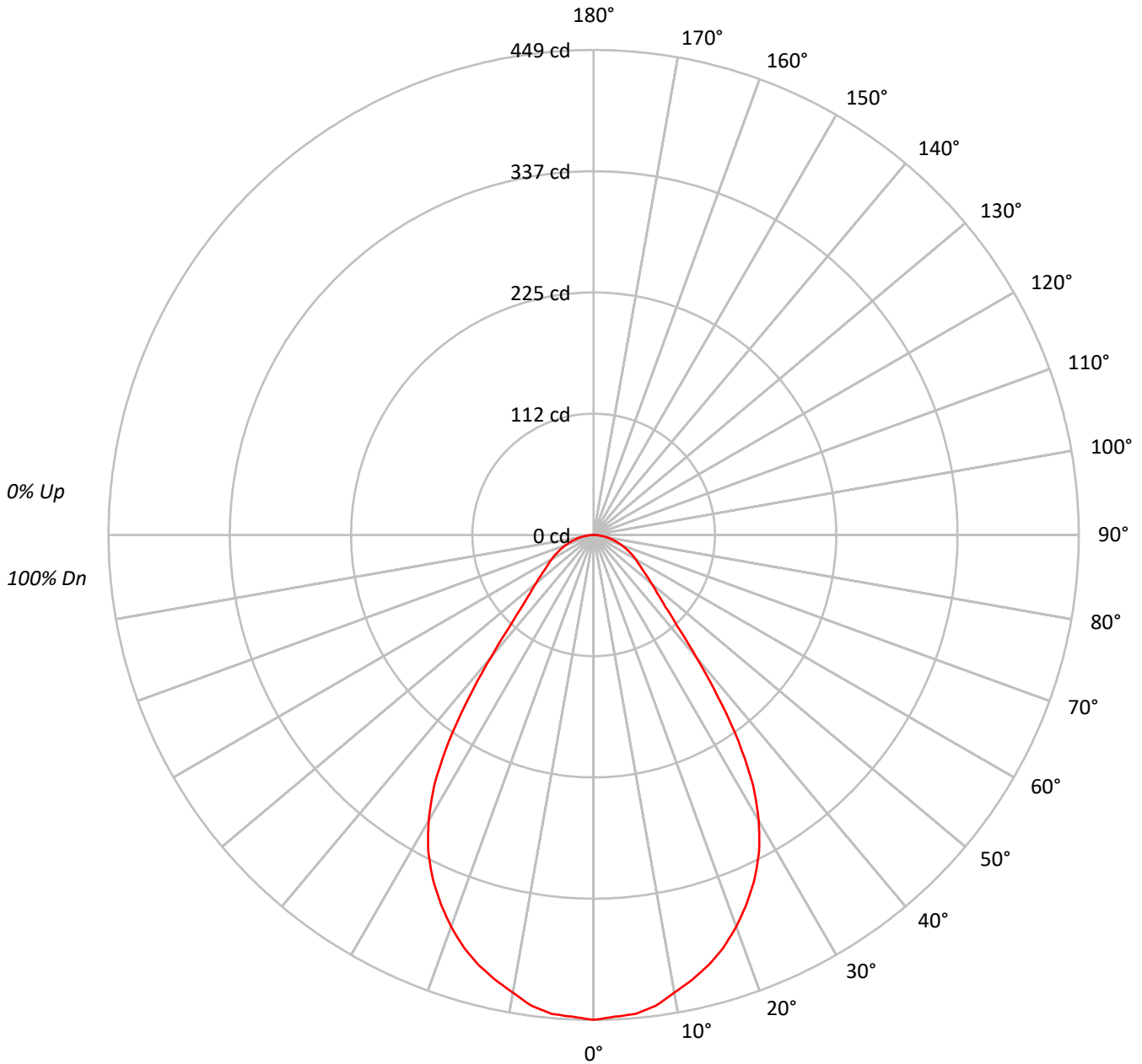
Lumens per Lamp: N/A
Luminaire Lumens: 649.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 6
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: P582870
CATALOG NUMBER: HCC6W05D010MW-HM60525830-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582870
 CATALOG NUMBER: HCC6W05D010MW-HM60525830-61NDW

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79		
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57		
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44		
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24609
5°	24494
10°	23953
15°	23388
20°	22513
25°	21292
30°	19351
35°	15660
40°	10563
45°	7257
50°	5944
55°	5209
60°	4923
65°	4644
70°	4360
75°	4130
80°	3788
85°	3271



TEST NUMBER: P582870
 CATALOG NUMBER: HCC6W05D010MW-HM60525830-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	6.5
10°-20°	115.7	17.8
20°-30°	160.8	24.7
30°-40°	143.2	22.0
40°-50°	76.0	11.7
50°-60°	49.7	7.7
60°-70°	35.6	5.5
70°-80°	20.6	3.2
80°-90°	6.0	0.9
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°	318.6	49.0
0°-40°	461.7	71.1
0°-60°	587.5	90.4
0°-90°	649.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	449	
5°	445	42
15°	412	116
25°	352	161
35°	234	143
45°	94	76
55°	54	50
65°	36	36
75°	20	21
85°	5	6
90°	0	



TEST NUMBER: P582870
CATALOG NUMBER: HCC6W05D010MW-HM60525830-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	448.9
2.5°	446.5
5°	445.1
7.5°	439.8
10°	430.3
12.5°	421.7
15°	412.1
17.5°	400.2
20°	385.9
22.5°	369.6
25°	352.0
27.5°	331.4
30°	305.7
32.5°	274.6
35°	234.0
37.5°	189.2
40°	147.6
42.5°	114.6
45°	93.6
47.5°	79.8
50°	69.7
52.5°	61.6
55°	54.5
57.5°	49.2
60°	44.9
62.5°	40.6
65°	35.8
67.5°	31.5
70°	27.2
72.5°	23.4
75°	19.5
77.5°	15.7
80°	12.0
82.5°	8.6
85°	5.2
87.5°	2.4
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)