

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: P582172

Luminaire Tested: **HCC6W30D010BZ-HM63040835-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010BZ-HM63040835-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

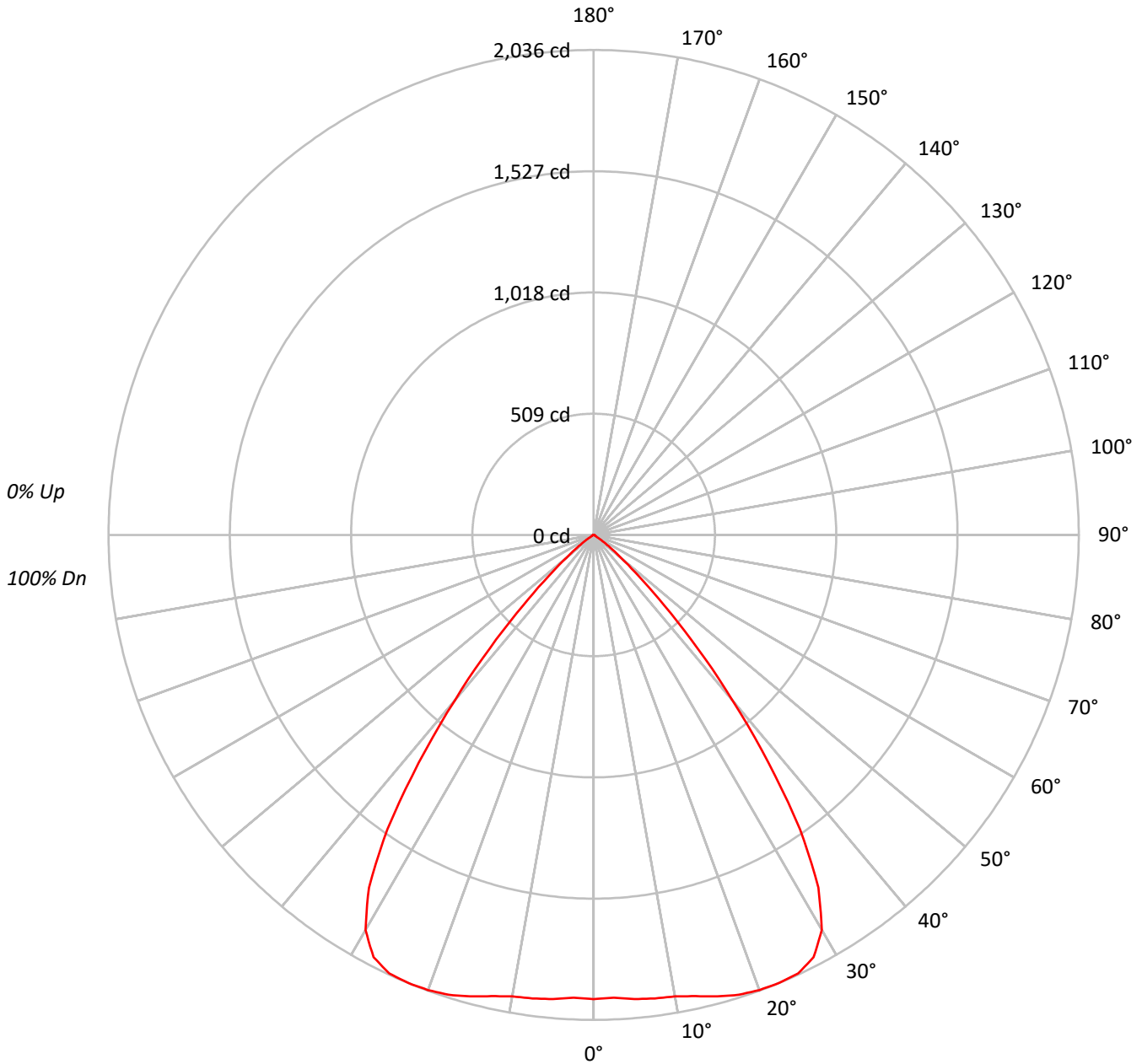
Lumens per Lamp: N/A
Luminaire Lumens: 3008.5 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582172
CATALOG NUMBER: HCC6W30D010BZ-HM63040835-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P582172
 CATALOG NUMBER: HCC6W30D010BZ-HM63040835-61WDBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92		
2	107	101	97	93	104	100	95	92	96	93	90	93	91	88	90	88	86	85		
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77		
4	95	86	80	75	93	85	79	75	83	78	74	81	77	73	79	75	72	71		
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65		
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59		
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50		
9	70	59	53	48	69	59	53	48	58	52	48	57	52	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°	106845
5°	107627
10°	109506
15°	113849
20°	118619
25°	122850
30°	121209
35°	100994
40°	64757
45°	32337
50°	12827
55°	4349
60°	1250
65°	895
70°	721
75°	953
80°	726
85°	0



TEST NUMBER: P582172
 CATALOG NUMBER: HCC6W30D010BZ-HM63040835-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.0	6.2
10°-20°	568.9	18.9
20°-30°	929.0	30.9
30°-40°	910.7	30.3
40°-50°	349.2	11.6
50°-60°	51.2	1.7
60°-70°	7.6	0.3
70°-80°	3.9	0.1
80°-90°	0.9	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°	1685.0	56.0
0°-40°	2595.6	86.3
0°-60°	2996.0	99.6
0°-90°	3008.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3008.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1949	
5°	1956	187
15°	2006	569
25°	2031	929
35°	1509	911
45°	417	349
55°	46	51
65°	7	8
75°	4	4
85°	0	1
90°	0	



TEST NUMBER: P582172
CATALOG NUMBER: HCC6W30D010BZ-HM63040835-61WDBB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1949.0
2.5°	1944.4
5°	1955.8
7.5°	1962.7
10°	1967.2
12.5°	1983.1
15°	2006.0
17.5°	2024.2
20°	2033.3
22.5°	2035.6
25°	2031.0
27.5°	1999.2
30°	1914.8
32.5°	1755.2
35°	1509.1
37.5°	1205.9
40°	904.9
42.5°	645.2
45°	417.1
47.5°	255.3
50°	150.4
52.5°	86.7
55°	45.5
57.5°	20.6
60°	11.4
62.5°	9.2
65°	6.9
67.5°	6.9
70°	4.5
72.5°	4.5
75°	4.5
77.5°	2.3
80°	2.3
82.5°	2.3
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)