

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: P582247

Luminaire Tested: **HCC6W30D010MB-HM63040935-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582247
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010MB-HM63040935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

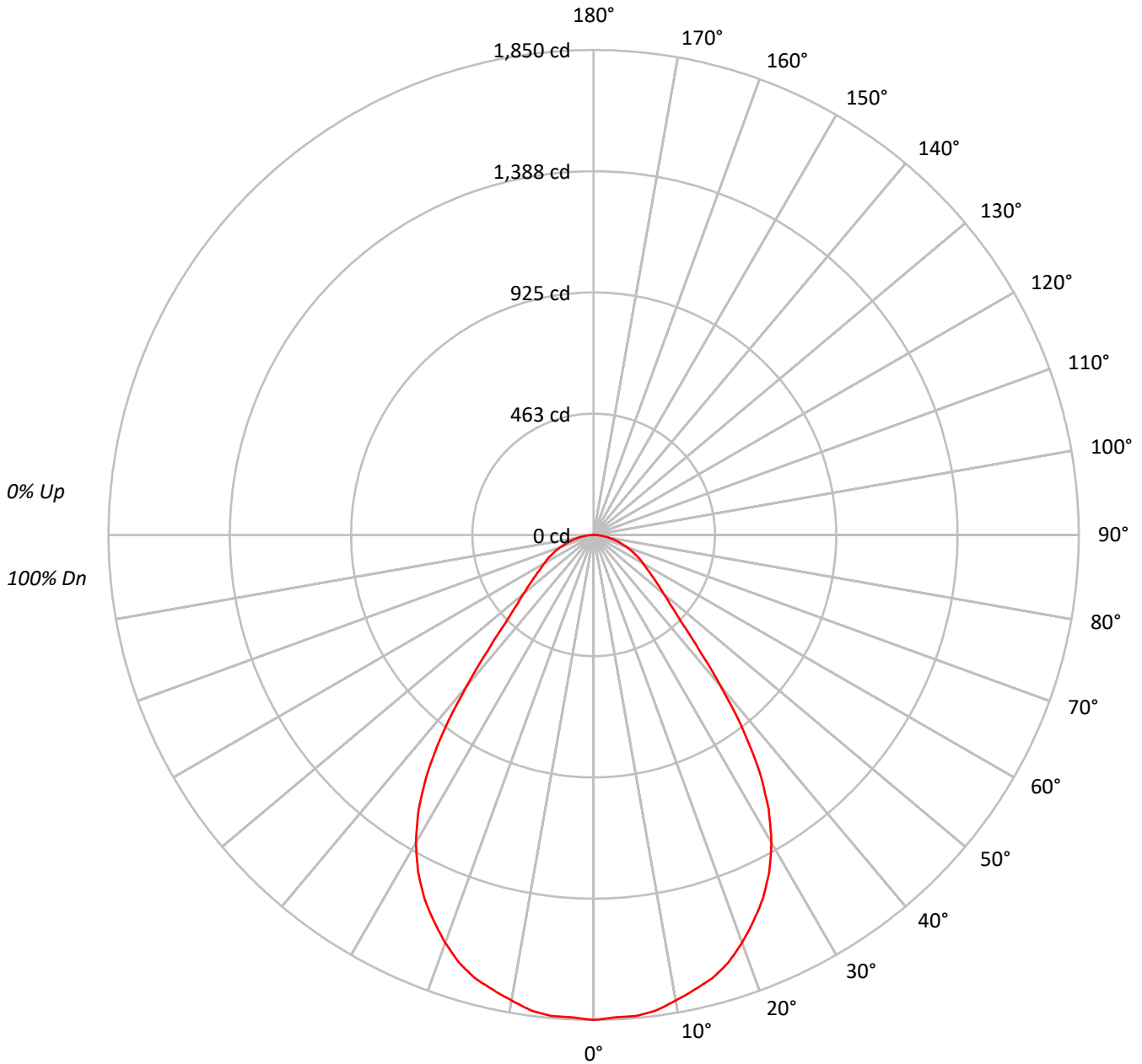
Lumens per Lamp: N/A
Luminaire Lumens: 2972.3 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582247
CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P582247
 CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDW

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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101428
5°	101364
10°	100388
15°	99342
20°	96544
25°	92461
30°	85811
35°	73830
40°	53894
45°	36926
50°	29679
55°	25872
60°	23880
65°	22700
70°	21206
75°	19825
80°	17995
85°	15347



TEST NUMBER: P582247
 CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.6	5.9
10°-20°	491.6	16.5
20°-30°	699.2	23.5
30°-40°	673.1	22.6
40°-50°	387.3	13.0
50°-60°	245.4	8.3
60°-70°	173.7	5.8
70°-80°	99.0	3.3
80°-90°	28.2	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°	1365.4	45.9
0°-40°	2038.6	68.6
0°-60°	2671.3	89.9
0°-90°	2972.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2972.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1850	
5°	1842	175
15°	1750	492
25°	1529	699
35°	1103	673
45°	476	387
55°	271	245
65°	175	174
75°	94	99
85°	24	28
90°	0	



TEST NUMBER: P582247

CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1850.2
2.5°	1842.0
5°	1842.0
7.5°	1829.9
10°	1803.4
12.5°	1777.0
15°	1750.4
17.5°	1709.8
20°	1654.9
22.5°	1593.7
25°	1528.6
27.5°	1449.3
30°	1355.6
32.5°	1241.6
35°	1103.2
37.5°	934.3
40°	753.1
42.5°	594.4
45°	476.3
47.5°	400.9
50°	348.0
52.5°	305.3
55°	270.7
57.5°	240.2
60°	217.8
62.5°	197.5
65°	175.0
67.5°	154.7
70°	132.3
72.5°	112.0
75°	93.6
77.5°	75.3
80°	57.0
82.5°	40.7
85°	24.4
87.5°	10.2
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)