

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: P582168

Luminaire Tested: **HCC6W30D010SL-HM63040835-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582168
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: HCC6W30D010SL-HM63040835-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

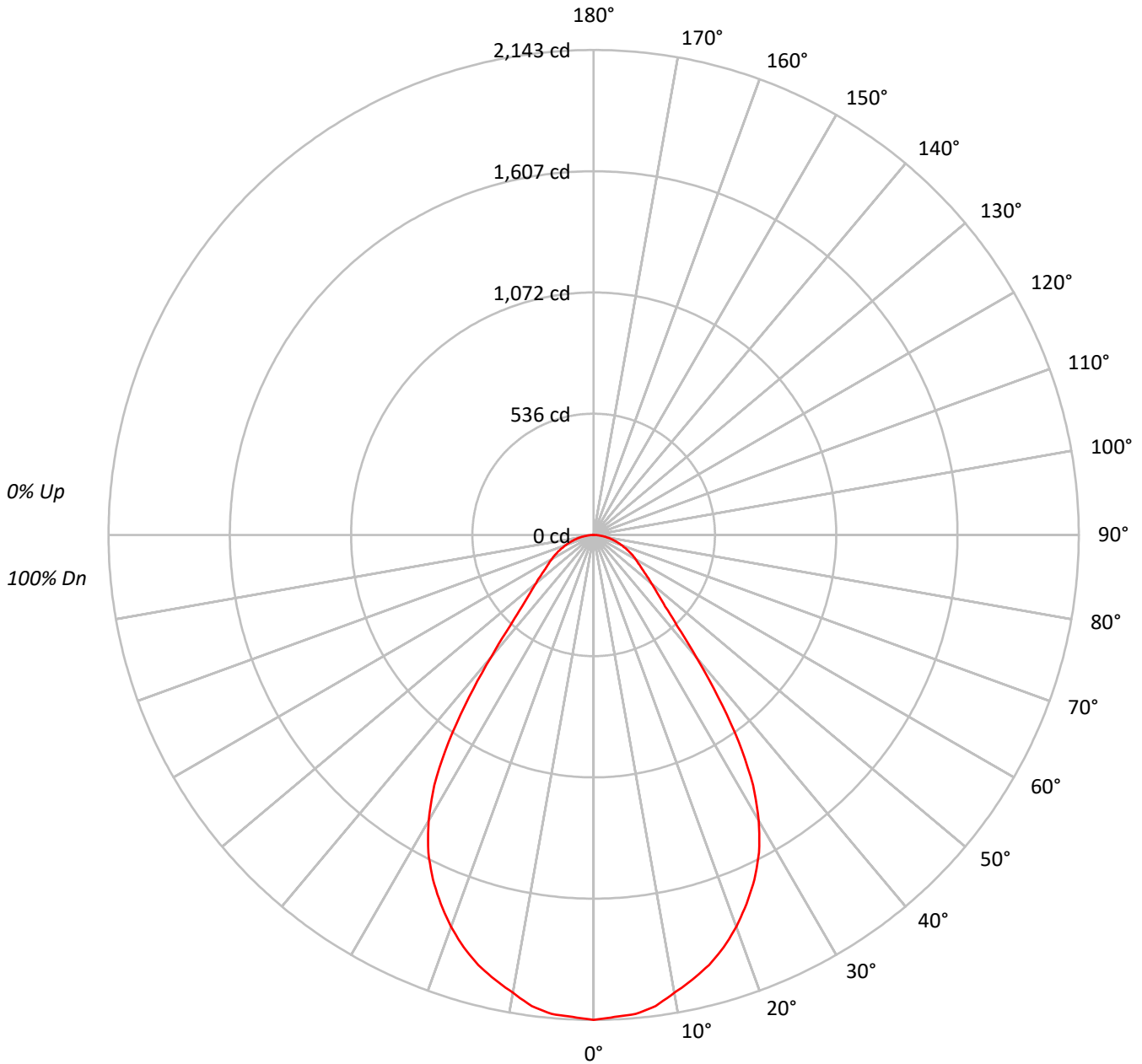
Lumens per Lamp: N/A
Luminaire Lumens: 3102.0 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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: P582168
CATALOG NUMBER: HCC6W30D010SL-HM63040835-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582168
 CATALOG NUMBER: HCC6W30D010SL-HM63040835-61NDW

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	0	
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	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	117491
5°	116932
10°	114349
15°	111669
20°	107471
25°	101637
30°	92362
35°	74766
40°	50416
45°	34639
50°	28391
55°	24840
60°	23496
65°	22181
70°	20837
75°	19804
80°	17995
85°	15788



TEST NUMBER: P582168
 CATALOG NUMBER: HCC6W30D010SL-HM63040835-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	6.5
10°-20°	552.5	17.8
20°-30°	767.7	24.7
30°-40°	683.5	22.0
40°-50°	362.8	11.7
50°-60°	237.3	7.6
60°-70°	170.1	5.5
70°-80°	98.7	3.2
80°-90°	28.8	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°	1520.8	49.0
0°-40°	2204.3	71.1
0°-60°	2804.4	90.4
0°-90°	3102.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3102.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2143	
5°	2125	201
15°	1968	553
25°	1680	768
35°	1117	683
45°	447	363
55°	260	237
65°	171	170
75°	94	99
85°	25	29
90°	0	



TEST NUMBER: P582168
CATALOG NUMBER: HCC6W30D010SL-HM63040835-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2143.2
2.5°	2131.8
5°	2124.9
7.5°	2099.8
10°	2054.2
12.5°	2013.2
15°	1967.6
17.5°	1910.6
20°	1842.2
22.5°	1764.7
25°	1680.3
27.5°	1582.3
30°	1459.1
32.5°	1311.0
35°	1117.2
37.5°	902.8
40°	704.5
42.5°	547.2
45°	446.8
47.5°	380.7
50°	332.9
52.5°	294.2
55°	259.9
57.5°	234.8
60°	214.3
62.5°	193.8
65°	171.0
67.5°	150.5
70°	130.0
72.5°	111.8
75°	93.5
77.5°	75.3
80°	57.0
82.5°	41.0
85°	25.1
87.5°	11.4
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)