

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: P582223

Luminaire Tested: **HCC6W30D010SL-HM63040930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W30D010SL-HM63040930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

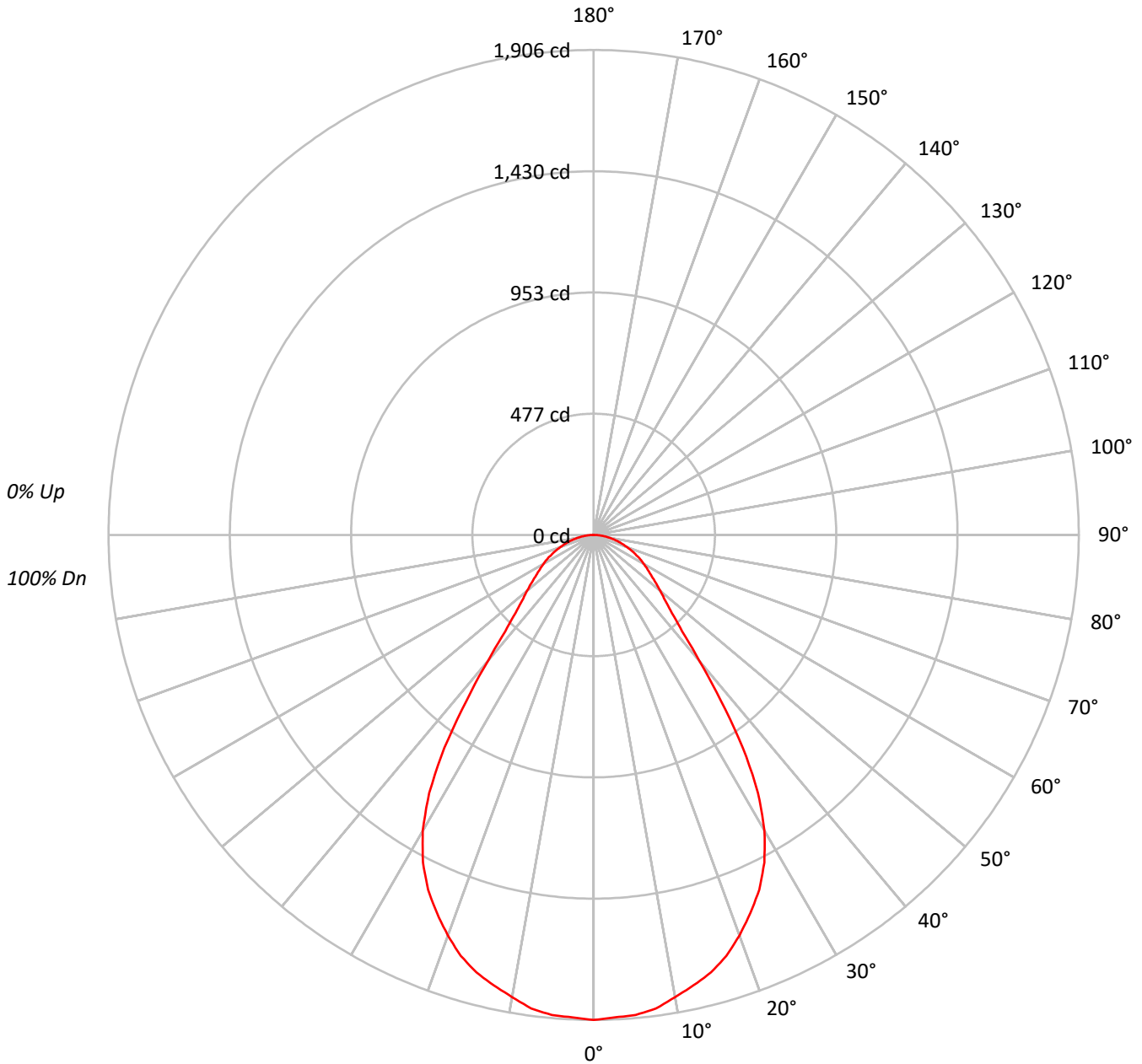
Lumens per Lamp: N/A
Luminaire Lumens: 2923.6 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582223
CATALOG NUMBER: HCC6W30D010SL-HM63040930-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582223

CATALOG NUMBER: HCC6W30D010SL-HM63040930-61PSMDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78																			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69																			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62																			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56																			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51																			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46																			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43																			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39																			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	104498
5°	104210
10°	102665
15°	101033
20°	97705
25°	93066
30°	84975
35°	68415
40°	46108
45°	33616
50°	29065
55°	26255
60°	24910
65°	23569
70°	22183
75°	21011
80°	19542
85°	18178



TEST NUMBER: P582223
 CATALOG NUMBER: HCC6W30D010SL-HM63040930-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	6.1
10°-20°	499.9	17.1
20°-30°	702.4	24.0
30°-40°	625.2	21.4
40°-50°	349.4	11.9
50°-60°	249.0	8.5
60°-70°	181.1	6.2
70°-80°	104.9	3.6
80°-90°	32.6	1.1
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°	1381.5	47.3
0°-40°	2006.7	68.6
0°-60°	2605.1	89.1
0°-90°	2923.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2923.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1906	
5°	1894	179
15°	1780	500
25°	1539	702
35°	1022	625
45°	434	349
55°	275	249
65°	182	181
75°	99	105
85°	29	33
90°	0	



TEST NUMBER: P582223

CATALOG NUMBER: HCC6W30D010SL-HM63040930-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1906.2
2.5°	1897.9
5°	1893.7
7.5°	1877.2
10°	1844.3
12.5°	1813.2
15°	1780.2
17.5°	1734.8
20°	1674.8
22.5°	1608.7
25°	1538.6
27.5°	1451.8
30°	1342.4
32.5°	1202.0
35°	1022.3
37.5°	819.9
40°	644.3
42.5°	514.2
45°	433.6
47.5°	380.0
50°	340.8
52.5°	305.7
55°	274.7
57.5°	249.9
60°	227.2
62.5°	206.5
65°	181.7
67.5°	161.1
70°	138.4
72.5°	117.7
75°	99.2
77.5°	80.5
80°	61.9
82.5°	45.4
85°	28.9
87.5°	14.5
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)