

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: P582220

Luminaire Tested: **HCC6S30D010MW-HM63040930-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S30D010MW-HM63040930-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

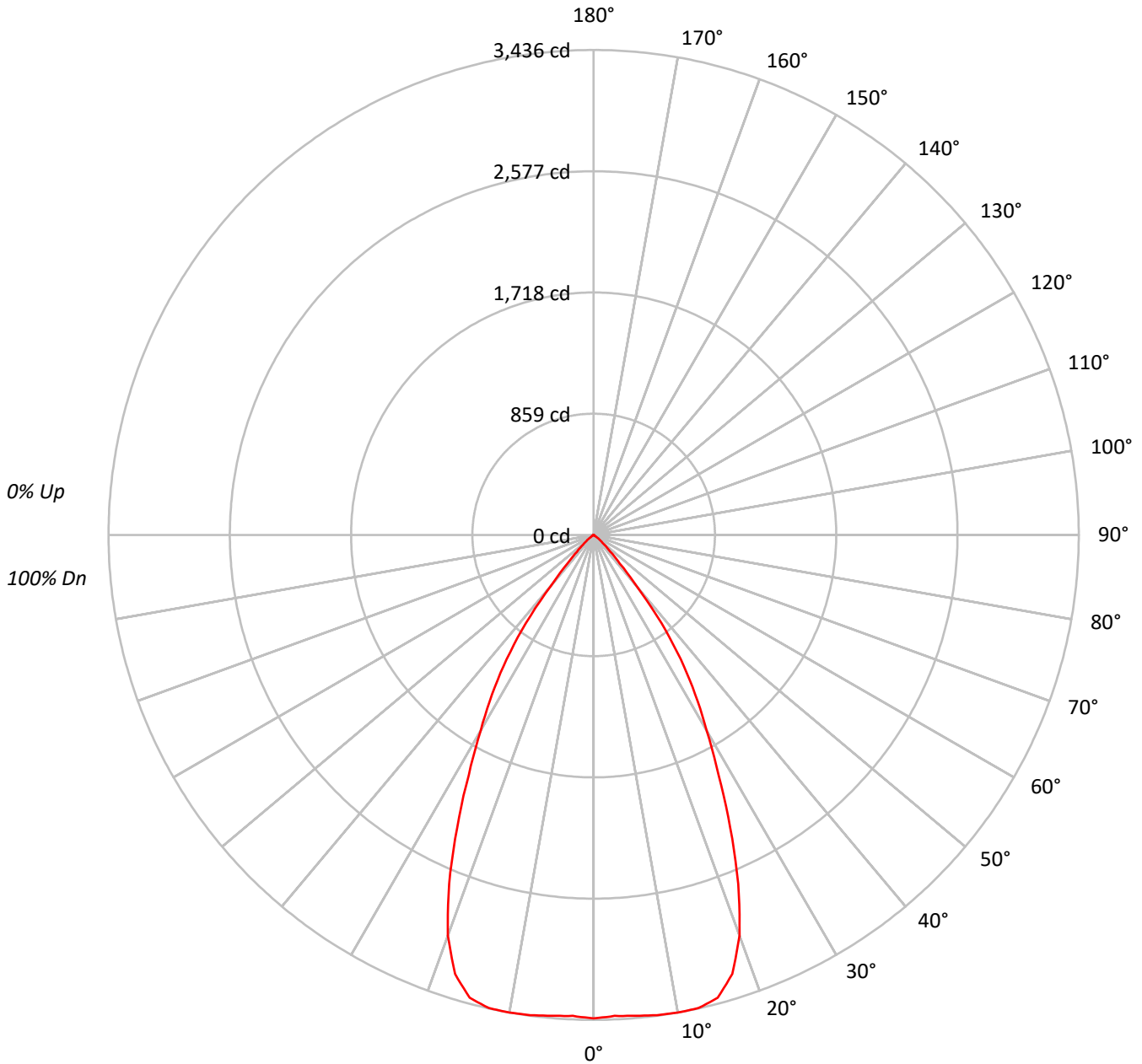
Lumens per Lamp: N/A
Luminaire Lumens: 3144.5 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582220
CATALOG NUMBER: HCC6S30D010MW-HM63040930-61NDC

Luminous Intensity Polar Plot





TEST NUMBER: P582220
 CATALOG NUMBER: HCC6S30D010MW-HM63040930-61NDC

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94		
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71		
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67		
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55		
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187792
5°	188168
10°	191268
15°	192657
20°	176118
25°	138389
30°	101300
35°	71862
40°	33985
45°	12970
50°	5808
55°	1577
60°	680
65°	545
70°	321
75°	424
80°	0
85°	0



TEST NUMBER: P582220
 CATALOG NUMBER: HCC6S30D010MW-HM63040930-61NDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.1	10.4
10°-20°	938.2	29.8
20°-30°	1043.6	33.2
30°-40°	652.0	20.7
40°-50°	154.9	4.9
50°-60°	22.1	0.7
60°-70°	4.6	0.1
70°-80°	1.8	0.1
80°-90°	0.0	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°	2309.0	73.4
0°-40°	2961.0	94.2
0°-60°	3138.0	99.8
0°-90°	3144.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3144.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3426	
5°	3419	327
15°	3395	938
25°	2288	1044
35°	1074	652
45°	167	155
55°	16	22
65°	4	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P582220
CATALOG NUMBER: HCC6S30D010MW-HM63040930-61NDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3425.6
2.5°	3411.1
5°	3419.4
7.5°	3431.8
10°	3436.0
12.5°	3433.8
15°	3394.6
17.5°	3262.5
20°	3018.9
22.5°	2676.1
25°	2287.9
27.5°	1916.2
30°	1600.3
32.5°	1338.0
35°	1073.8
37.5°	788.8
40°	474.9
42.5°	274.7
45°	167.3
47.5°	107.4
50°	68.1
52.5°	39.2
55°	16.5
57.5°	8.2
60°	6.2
62.5°	6.2
65°	4.2
67.5°	4.2
70°	2.0
72.5°	2.0
75°	2.0
77.5°	2.0
80°	0.0
82.5°	0.0
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)