

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: P582148

Luminaire Tested: **HCC6S30D010MW-HM63040830-61NDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582148  
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-HM63040830-61NDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

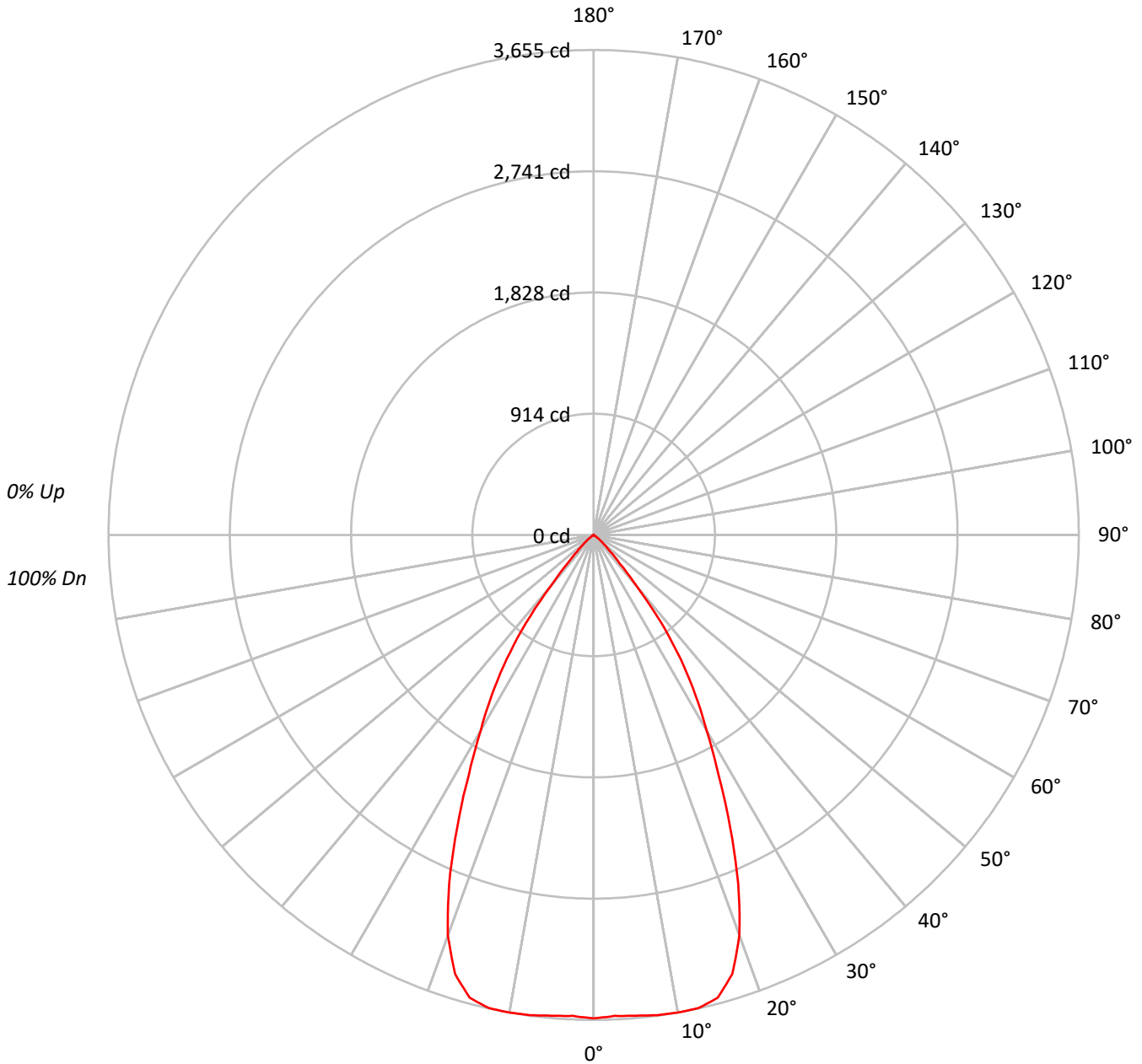
Lumens per Lamp: N/A  
Luminaire Lumens: 3344.8 lumens  
Efficiency: N/A  
Efficacy: 119.5 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P582148  
CATALOG NUMBER: HCC6S30D010MW-HM63040830-61NDC

### Luminous Intensity Polar Plot





TEST NUMBER: P582148

CATALOG NUMBER: HCC6S30D010MW-HM63040830-61NDC

**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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			94
2	108	103	99	96	106	102	98	95	98	96	93	96	93	91	93	91	89	87			87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76			76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71			71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67			67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55			55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52			52

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	199759
5°	200159
10°	203453
15°	204939
20°	187342
25°	147202
30°	107757
35°	76440
40°	36153
45°	13792
50°	6183
55°	1682
60°	713
65°	571
70°	337
75°	445
80°	0
85°	0



TEST NUMBER: P582148  
 CATALOG NUMBER: HCC6S30D010MW-HM63040830-61NDC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.0	10.4
10°-20°	998.0	29.8
20°-30°	1110.1	33.2
30°-40°	693.5	20.7
40°-50°	164.8	4.9
50°-60°	23.6	0.7
60°-70°	4.8	0.1
70°-80°	1.9	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°	2456.1	73.4
0°-40°	3149.7	94.2
0°-60°	3338.0	99.8
0°-90°	3344.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3344.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3644	
5°	3637	348
15°	3611	998
25°	2434	1110
35°	1142	694
45°	178	165
55°	18	24
65°	4	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P582148  
CATALOG NUMBER: HCC6S30D010MW-HM63040830-61NDC

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3643.9
2.5°	3628.5
5°	3637.3
7.5°	3650.5
10°	3654.9
12.5°	3652.7
15°	3611.0
17.5°	3470.3
20°	3211.3
22.5°	2846.6
25°	2433.6
27.5°	2038.3
30°	1702.3
32.5°	1423.4
35°	1142.2
37.5°	839.1
40°	505.2
42.5°	292.1
45°	177.9
47.5°	114.3
50°	72.5
52.5°	41.7
55°	17.6
57.5°	8.8
60°	6.5
62.5°	6.5
65°	4.4
67.5°	4.4
70°	2.1
72.5°	2.1
75°	2.1
77.5°	2.1
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)