

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: P593166

Luminaire Tested: **HCC6S25D010MW-HM60525850-61MDC**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593166  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010MW-HM60525850-61MDC  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

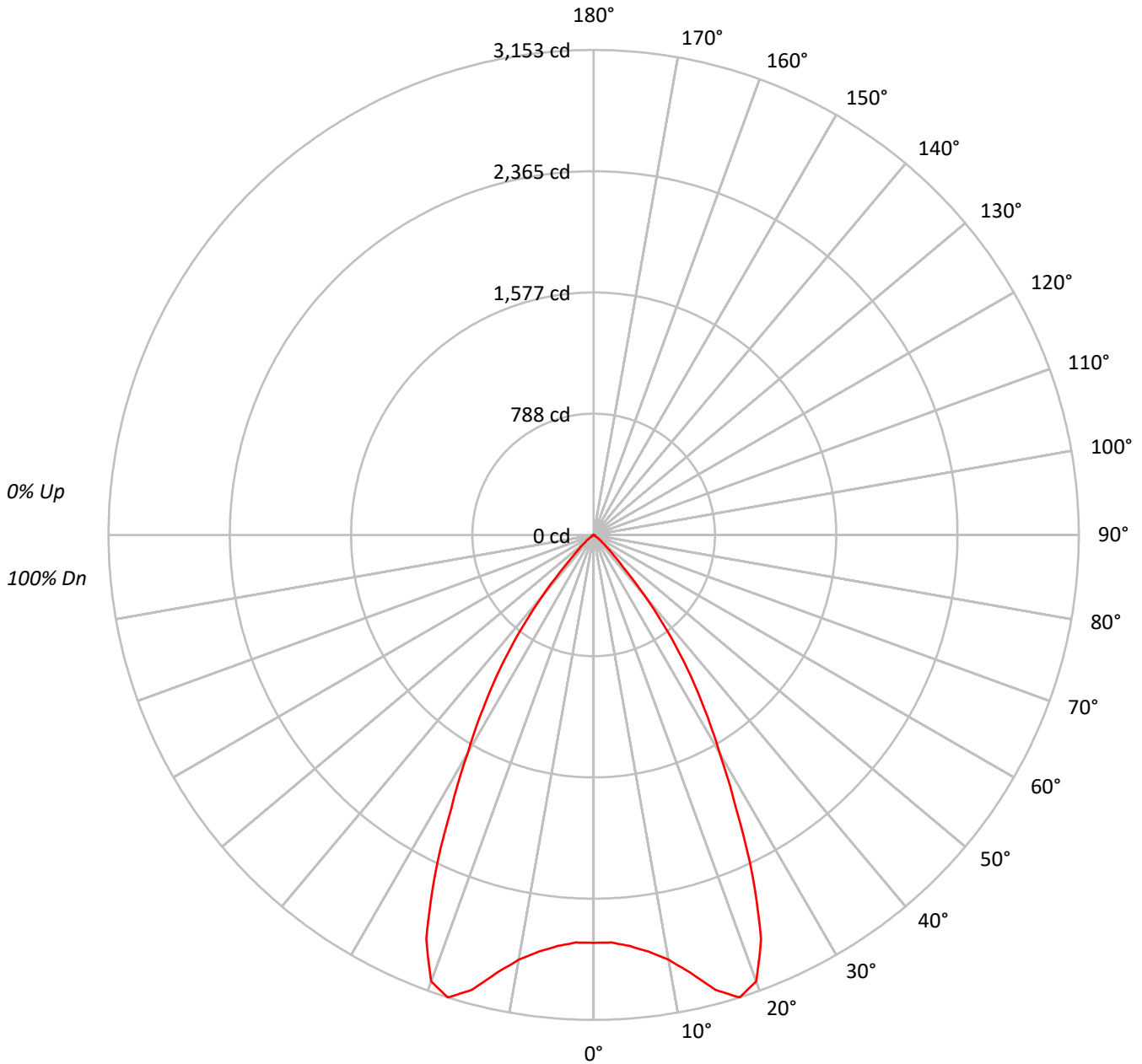
Lumens per Lamp: N/A  
Luminaire Lumens: 3061.4 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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: P593166  
CATALOG NUMBER: HCC6S25D010MW-HM60525850-61MDC

### Luminous Intensity Polar Plot





TEST NUMBER: P593166

CATALOG NUMBER: HCC6S25D010MW-HM60525850-61MDC

**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	0
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	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87	85	82	81
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83	79	77	75
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78	74	72	70
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74	70	67	65
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70	66	62	61
8	79	70	63	59	78	69	63	59	68	63	59		67	62	59		66	62	58	57
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62	58	55	54
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59	55	52	50

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

	0°
0°	145383
5°	147639
10°	156048
15°	173758
20°	180196
25°	147843
30°	103592
35°	70684
40°	36819
45°	12939
50°	5791
55°	1854
60°	1053
65°	752
70°	625
75°	402
80°	0
85°	0



TEST NUMBER: P593166  
 CATALOG NUMBER: HCC6S25D010MW-HM60525850-61MDC

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	259.9	8.5
10°-20°	861.0	28.1
20°-30°	1096.3	35.8
30°-40°	653.4	21.3
40°-50°	158.5	5.2
50°-60°	24.3	0.8
60°-70°	6.0	0.2
70°-80°	2.0	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°	2217.2	72.4
0°-40°	2870.6	93.8
0°-60°	3053.4	99.7
0°-90°	3061.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3061.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2652	
5°	2683	260
15°	3062	861
25°	2444	1096
35°	1056	653
45°	167	158
55°	19	24
65°	6	6
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P593166  
CATALOG NUMBER: HCC6S25D010MW-HM60525850-61MDC

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2652.0
2.5°	2652.0
5°	2682.9
7.5°	2731.5
10°	2803.3
12.5°	2916.0
15°	3061.6
17.5°	3152.8
20°	3088.8
22.5°	2842.2
25°	2444.2
27.5°	2005.4
30°	1636.5
32.5°	1337.6
35°	1056.2
37.5°	778.5
40°	514.5
42.5°	277.7
45°	166.9
47.5°	104.9
50°	67.9
52.5°	40.7
55°	19.4
57.5°	11.7
60°	9.6
62.5°	7.8
65°	5.8
67.5°	3.9
70°	3.9
72.5°	1.9
75°	1.9
77.5°	1.9
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)