

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: P593169

Luminaire Tested: **HCC6S25D010MB-HM60525850-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593169  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S25D010MB-HM60525850-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

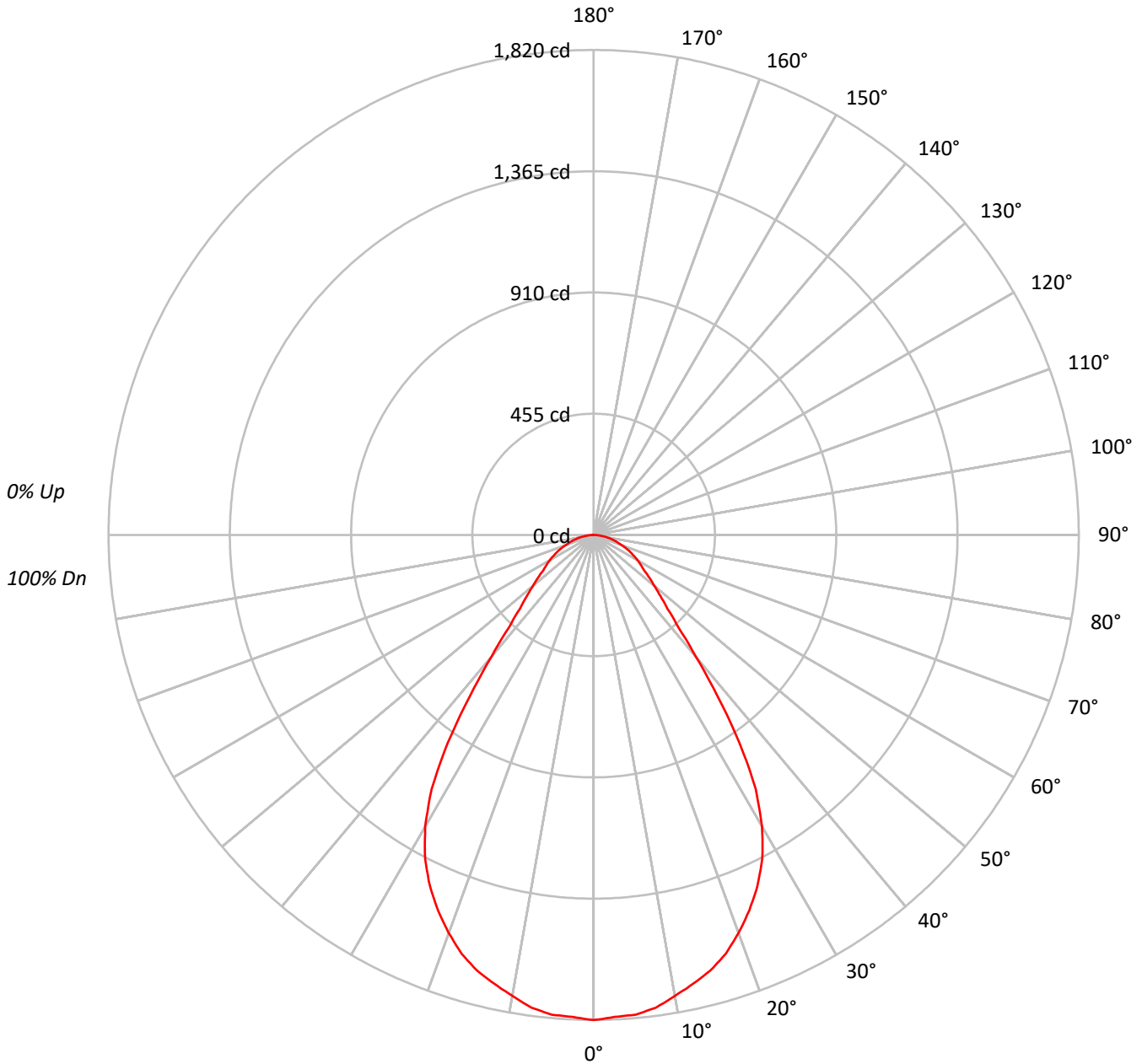
Lumens per Lamp: N/A  
Luminaire Lumens: 2680.8 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P593169  
CATALOG NUMBER: HCC6S25D010MB-HM60525850-61MDW

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P593169

CATALOG NUMBER: HCC6S25D010MB-HM60525850-61MDW

**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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

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

	0°
0°	99800
5°	99438
10°	97777
15°	96050
20°	92735
25°	87930
30°	79981
35°	63905
40°	42637
45°	30399
50°	25330
55°	22069
60°	20854
65°	19639
70°	18032
75°	16860
80°	15311
85°	13398



TEST NUMBER: P593169  
 CATALOG NUMBER: HCC6S25D010MB-HM60525850-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.9	6.4
10°-20°	475.2	17.7
20°-30°	664.0	24.8
30°-40°	584.9	21.8
40°-50°	316.0	11.8
50°-60°	211.3	7.9
60°-70°	149.8	5.6
70°-80°	84.2	3.1
80°-90°	24.5	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°	1310.1	48.9
0°-40°	1895.1	70.7
0°-60°	2422.4	90.4
0°-90°	2680.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2680.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1820	
5°	1807	171
15°	1692	475
25°	1454	664
35°	955	585
45°	392	316
55°	231	211
65°	151	150
75°	80	84
85°	21	25
90°	0	



TEST NUMBER: P593169  
CATALOG NUMBER: HCC6S25D010MB-HM60525850-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1820.5
2.5°	1810.8
5°	1807.0
7.5°	1789.4
10°	1756.5
12.5°	1725.4
15°	1692.4
17.5°	1647.7
20°	1589.6
22.5°	1525.5
25°	1453.7
27.5°	1370.2
30°	1263.5
32.5°	1131.5
35°	954.9
37.5°	762.7
40°	595.8
42.5°	469.6
45°	392.1
47.5°	339.7
50°	297.0
52.5°	262.0
55°	230.9
57.5°	209.6
60°	190.2
62.5°	170.8
65°	151.4
67.5°	131.9
70°	112.5
72.5°	95.1
75°	79.6
77.5°	64.0
80°	48.5
82.5°	35.0
85°	21.3
87.5°	9.6
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)