

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: P593171

Luminaire Tested: **HCC6W25D010MB-HM60525850-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593171  
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: HCC6W25D010MB-HM60525850-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

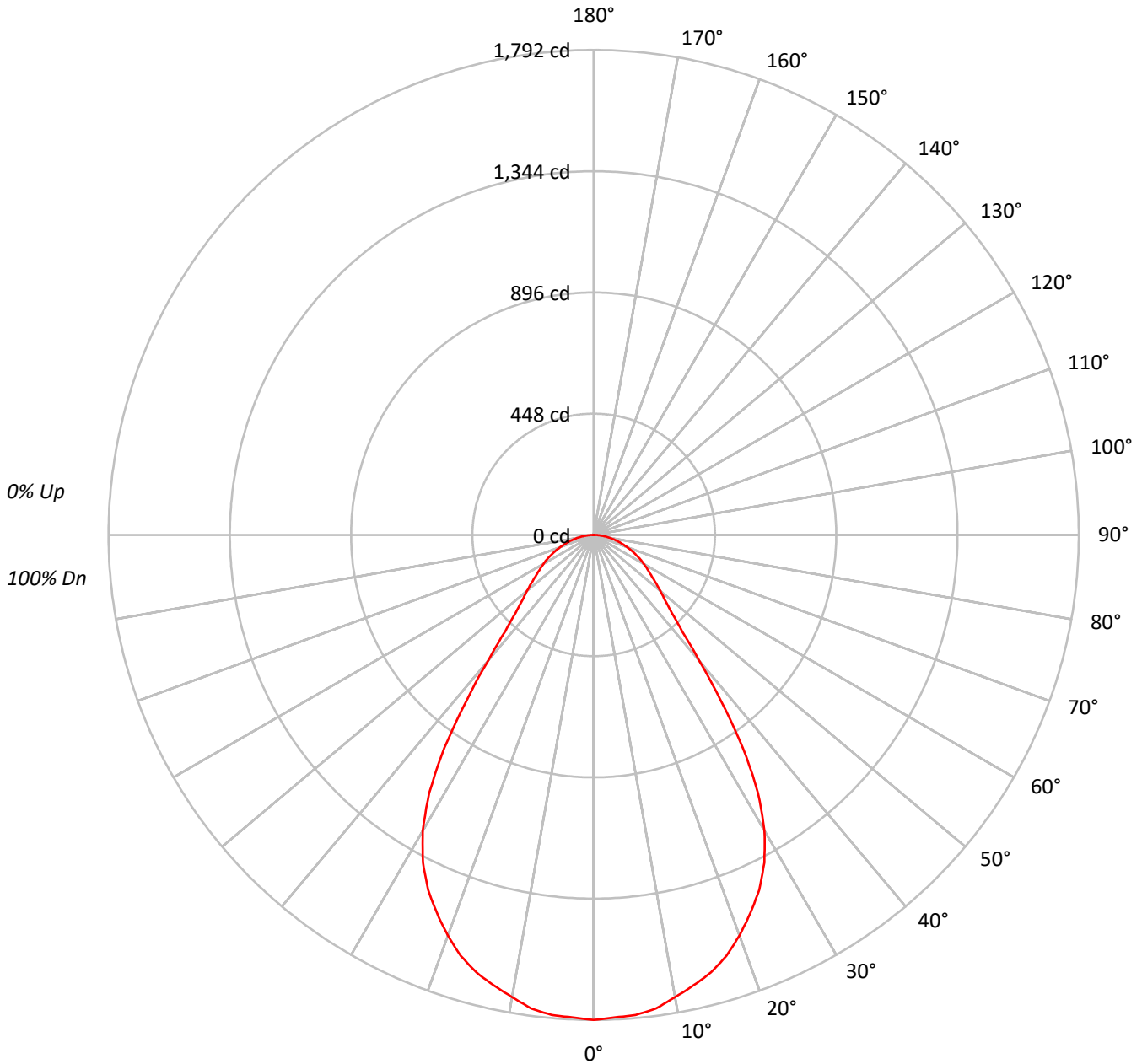
Lumens per Lamp: N/A  
Luminaire Lumens: 2748.8 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P593171  
CATALOG NUMBER: HCC6W25D010MB-HM60525850-61PSMDW

### Luminous Intensity Polar Plot





TEST NUMBER: P593171  
 CATALOG NUMBER: HCC6W25D010MB-HM60525850-61PSMDW

**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			
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°	98249
5°	97986
10°	96525
15°	94995
20°	91871
25°	87501
30°	79892
35°	64326
40°	43353
45°	31608
50°	27325
55°	24678
60°	23419
65°	22168
70°	20853
75°	19741
80°	18405
85°	17109



TEST NUMBER: P593171  
 CATALOG NUMBER: HCC6W25D010MB-HM60525850-61PSMDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	168.5	6.1
10°-20°	470.0	17.1
20°-30°	660.4	24.0
30°-40°	587.8	21.4
40°-50°	328.5	12.0
50°-60°	234.0	8.5
60°-70°	170.3	6.2
70°-80°	98.6	3.6
80°-90°	30.6	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°	1298.9	47.3
0°-40°	1886.8	68.6
0°-60°	2449.3	89.1
0°-90°	2748.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2748.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1792	
5°	1781	169
15°	1674	470
25°	1447	660
35°	961	588
45°	408	328
55°	258	234
65°	171	170
75°	93	99
85°	27	31
90°	0	



TEST NUMBER: P593171  
CATALOG NUMBER: HCC6W25D010MB-HM60525850-61PSMDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1792.2
2.5°	1784.5
5°	1780.6
7.5°	1765.1
10°	1734.0
12.5°	1704.8
15°	1673.8
17.5°	1631.0
20°	1574.8
22.5°	1512.6
25°	1446.6
27.5°	1365.0
30°	1262.1
32.5°	1130.1
35°	961.2
37.5°	770.8
40°	605.8
42.5°	483.5
45°	407.7
47.5°	357.2
50°	320.4
52.5°	287.4
55°	258.2
57.5°	234.9
60°	213.6
62.5°	194.2
65°	170.9
67.5°	151.5
70°	130.1
72.5°	110.6
75°	93.2
77.5°	75.7
80°	58.3
82.5°	42.7
85°	27.2
87.5°	13.5
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)