

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: P581996

Luminaire Tested: **HCC6W25D010SL-HM60525827-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581996  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010SL-HM60525827-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

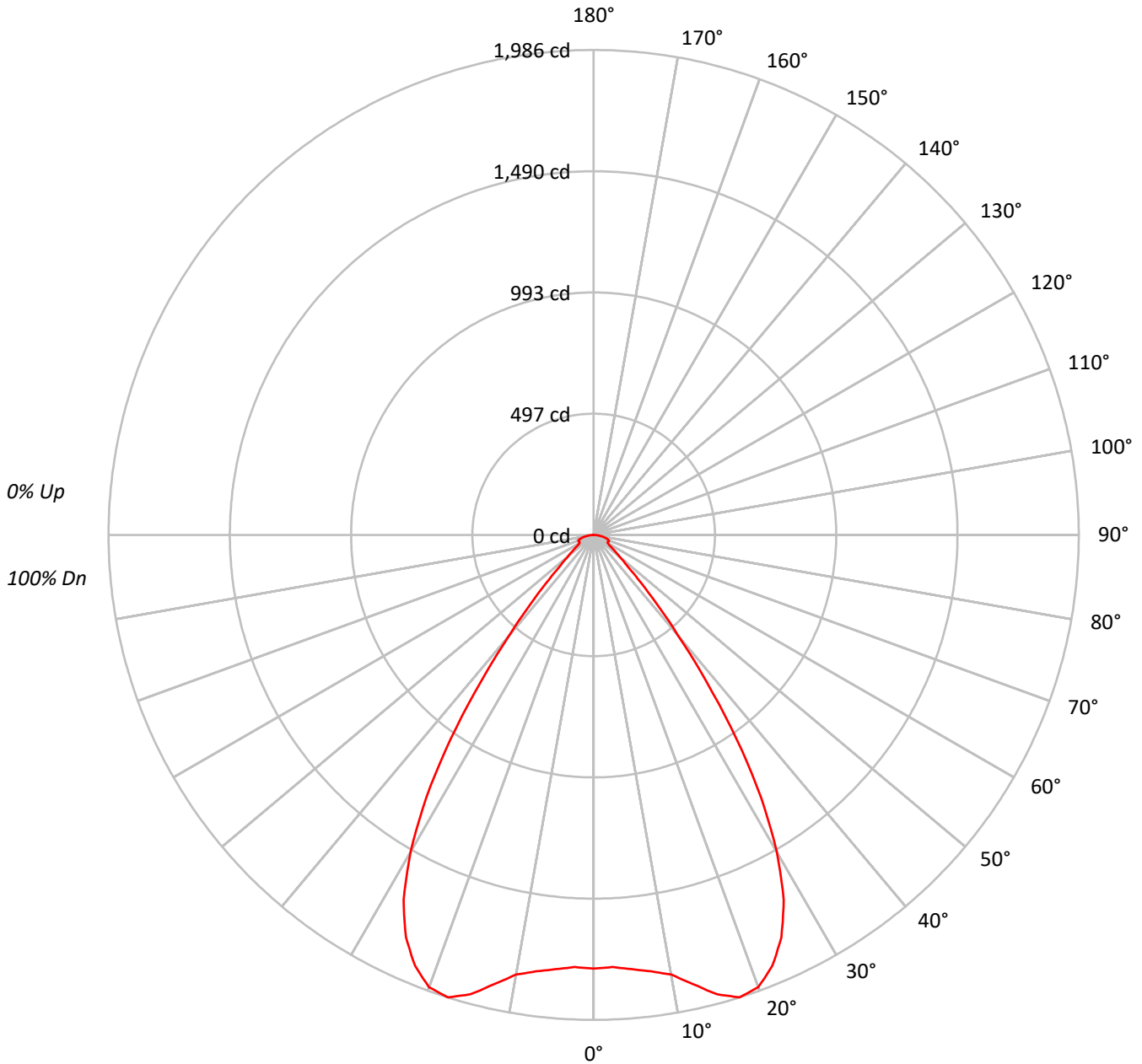
Lumens per Lamp: N/A  
Luminaire Lumens: 2610.9 lumens  
Efficiency: N/A  
Efficacy: 97.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P581996  
CATALOG NUMBER: HCC6W25D010SL-HM60525827-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P581996  
 CATALOG NUMBER: HCC6W25D010SL-HM60525827-61WDWB

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82																			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75																			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69																			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63																			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58																			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54																			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46																			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43																			

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

	0°
0°	97383
5°	98206
10°	101746
15°	110517
20°	114962
25°	109960
30°	94894
35°	68322
40°	38494
45°	19956
50°	11897
55°	8564
60°	7280
65°	8406
70°	10643
75°	11247
80°	10986
85°	10378



TEST NUMBER: P581996  
 CATALOG NUMBER: HCC6W25D010SL-HM60525827-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.7	6.6
10°-20°	549.2	21.0
20°-30°	820.9	31.4
30°-40°	627.5	24.0
40°-50°	219.2	8.4
50°-60°	83.5	3.2
60°-70°	65.5	2.5
70°-80°	55.4	2.1
80°-90°	17.8	0.7
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°	1541.9	59.1
0°-40°	2169.4	83.1
0°-60°	2472.1	94.7
0°-90°	2610.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2610.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1776	
5°	1785	172
15°	1947	549
25°	1818	821
35°	1021	628
45°	257	219
55°	90	83
65°	65	66
75°	53	55
85°	16	18
90°	0	



TEST NUMBER: P581996  
CATALOG NUMBER: HCC6W25D010SL-HM60525827-61WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1776.4
2.5°	1771.4
5°	1784.6
7.5°	1802.9
10°	1827.8
12.5°	1884.3
15°	1947.3
17.5°	1985.5
20°	1970.6
22.5°	1910.8
25°	1817.9
27.5°	1685.0
30°	1499.1
32.5°	1276.7
35°	1020.9
37.5°	757.1
40°	537.9
42.5°	376.9
45°	257.4
47.5°	180.9
50°	139.5
52.5°	109.5
55°	89.6
57.5°	73.0
60°	66.4
62.5°	64.8
65°	64.8
67.5°	68.0
70°	66.4
72.5°	61.4
75°	53.1
77.5°	44.9
80°	34.8
82.5°	24.9
85°	16.5
87.5°	6.6
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)