

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: P582007

Luminaire Tested: **HCC6W25D010BZ-HM60525830-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582007  
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: HCC6W25D010BZ-HM60525830-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

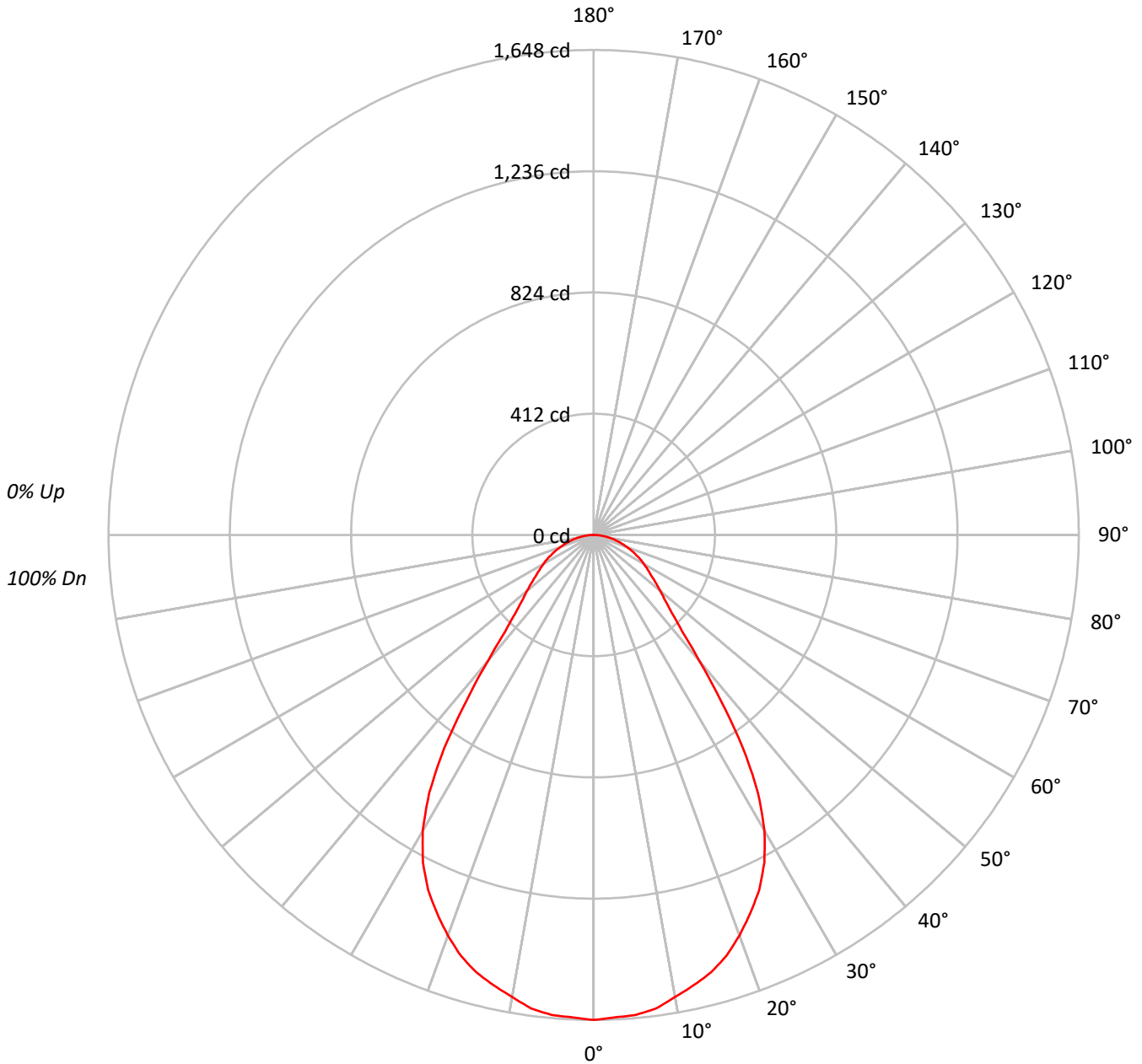
Lumens per Lamp: N/A  
Luminaire Lumens: 2527.8 lumens  
Efficiency: N/A  
Efficacy: 94.3 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582007  
CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61PSMDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582007

CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61PSMDW

**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°	90349
5°	90105
10°	88765
15°	87356
20°	84480
25°	80466
30°	73473
35°	59153
40°	39868
45°	29073
50°	25125
55°	22690
60°	21544
65°	20378
70°	19186
75°	18152
80°	16921
85°	15788



TEST NUMBER: P582007  
 CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61PSMDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	155.0	6.1
10°-20°	432.2	17.1
20°-30°	607.3	24.0
30°-40°	540.6	21.4
40°-50°	302.1	12.0
50°-60°	215.2	8.5
60°-70°	156.6	6.2
70°-80°	90.7	3.6
80°-90°	28.2	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°	1194.5	47.3
0°-40°	1735.1	68.6
0°-60°	2252.3	89.1
0°-90°	2527.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2527.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1648	
5°	1637	155
15°	1539	432
25°	1330	607
35°	884	541
45°	375	302
55°	237	215
65°	157	157
75°	86	91
85°	25	28
90°	0	



TEST NUMBER: P582007  
CATALOG NUMBER: HCC6W25D010BZ-HM60525830-61PSMDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1648.1
2.5°	1640.9
5°	1637.4
7.5°	1623.1
10°	1594.6
12.5°	1567.8
15°	1539.2
17.5°	1499.8
20°	1448.1
22.5°	1391.0
25°	1330.3
27.5°	1255.3
30°	1160.7
32.5°	1039.2
35°	883.9
37.5°	708.8
40°	557.1
42.5°	444.6
45°	375.0
47.5°	328.5
50°	294.6
52.5°	264.3
55°	237.4
57.5°	216.0
60°	196.5
62.5°	178.6
65°	157.1
67.5°	139.3
70°	119.7
72.5°	101.7
75°	85.7
77.5°	69.7
80°	53.6
82.5°	39.3
85°	25.1
87.5°	12.5
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)