

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: P582246

Luminaire Tested: **HCC6W30D010MB-HM63040935-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582246  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W30D010MB-HM63040935-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

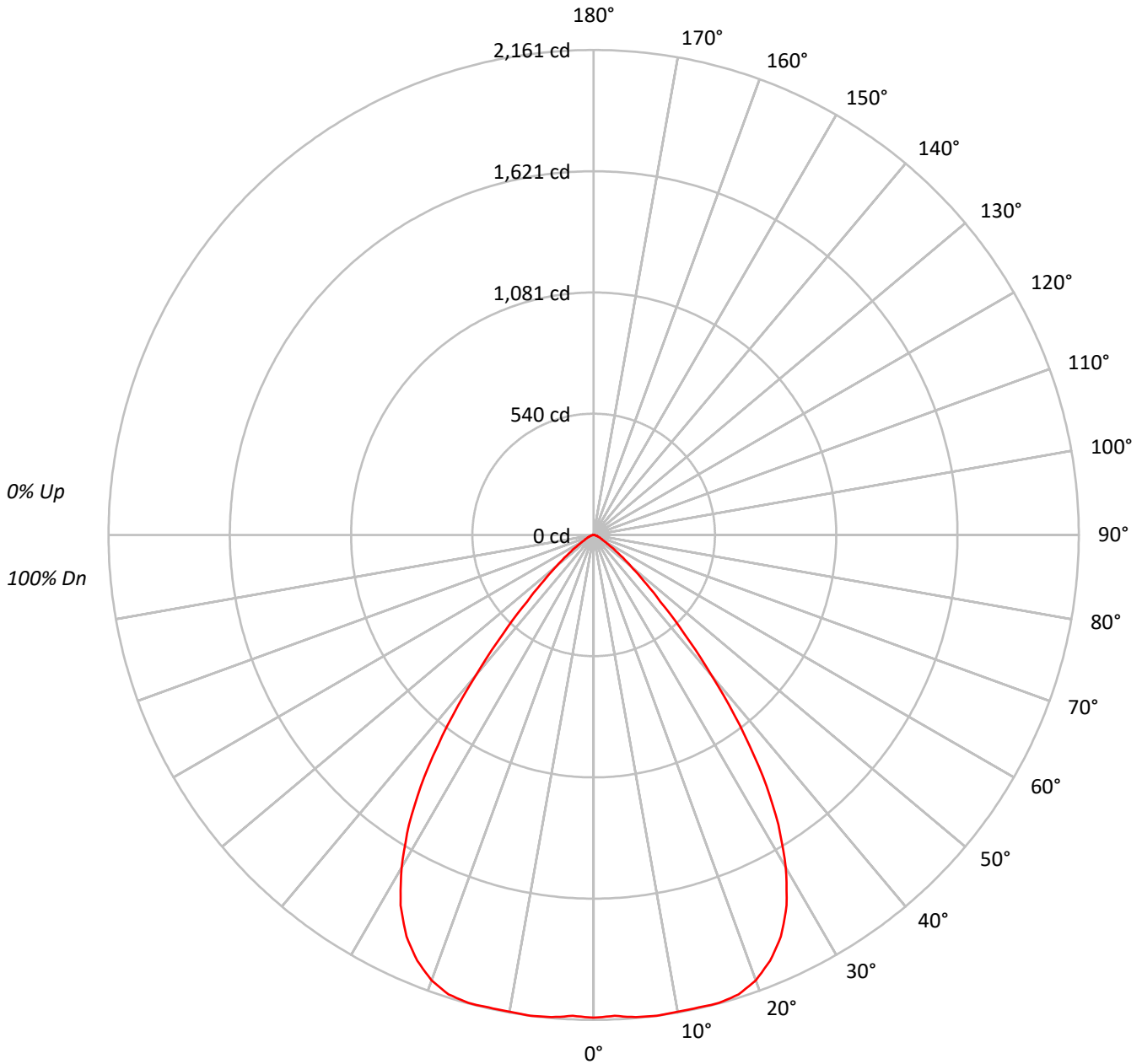
Lumens per Lamp: N/A  
Luminaire Lumens: 3010.9 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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: P582246  
CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDH

### Luminous Intensity Polar Plot





TEST NUMBER: P582246  
 CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDH

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

RF	20									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	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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92																											
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84																											
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77																											
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70																											
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																											
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59																											
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54																											
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50																											
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46																											
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43																											

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

	0°
0°	117918
5°	118704
10°	120077
15°	122538
20°	123228
25°	119384
30°	108314
35°	88064
40°	58452
45°	32531
50°	18242
55°	10122
60°	5581
65°	4229
70°	2933
75°	2160
80°	1263
85°	1258



TEST NUMBER: P582246  
 CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.9	6.8
10°-20°	608.8	20.2
20°-30°	897.3	29.8
30°-40°	802.6	26.7
40°-50°	348.2	11.6
50°-60°	102.3	3.4
60°-70°	32.7	1.1
70°-80°	11.5	0.4
80°-90°	1.6	0.1
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°	1712.0	56.9
0°-40°	2514.6	83.5
0°-60°	2965.1	98.5
0°-90°	3010.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3010.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2151	
5°	2157	206
15°	2159	609
25°	1974	897
35°	1316	803
45°	420	348
55°	106	102
65°	33	33
75°	10	12
85°	2	2
90°	0	



TEST NUMBER: P582246  
CATALOG NUMBER: HCC6W30D010MB-HM63040935-61WDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2151.0
2.5°	2145.0
5°	2157.1
7.5°	2161.2
10°	2157.1
12.5°	2157.1
15°	2159.1
17.5°	2147.0
20°	2112.3
22.5°	2053.3
25°	1973.7
27.5°	1861.7
30°	1711.1
32.5°	1531.8
35°	1315.9
37.5°	1069.4
40°	816.8
42.5°	596.9
45°	419.6
47.5°	299.4
50°	213.9
52.5°	152.8
55°	105.9
57.5°	71.3
60°	50.9
62.5°	40.8
65°	32.6
67.5°	24.5
70°	18.3
72.5°	14.3
75°	10.2
77.5°	8.2
80°	4.0
82.5°	2.0
85°	2.0
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)