

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: P582320

Luminaire Tested: **HCC6W35D010MB-HM63040835-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582320  
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: HCC6W35D010MB-HM63040835-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

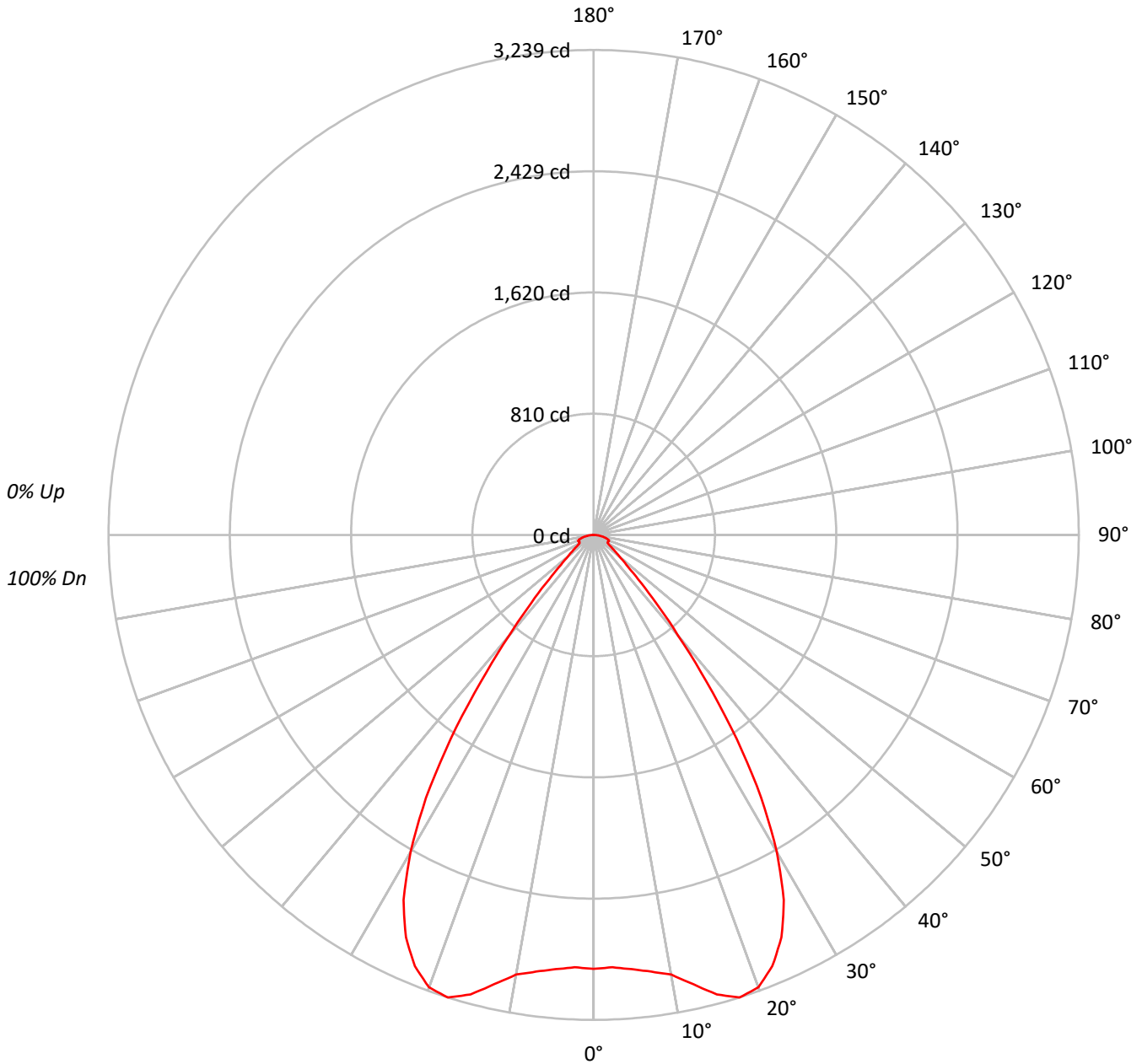
Lumens per Lamp: N/A  
Luminaire Lumens: 4259.5 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
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: P582320  
CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P582320  
 CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDWB

**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	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°	158869
5°	160219
10°	165990
15°	180302
20°	187552
25°	179387
30°	154815
35°	111474
40°	62796
45°	32546
50°	19394
55°	13973
60°	11874
65°	13698
70°	17359
75°	18364
80°	17932
85°	17046



TEST NUMBER: P582320  
 CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.2	6.6
10°-20°	896.0	21.0
20°-30°	1339.3	31.4
30°-40°	1023.8	24.0
40°-50°	357.6	8.4
50°-60°	136.3	3.2
60°-70°	106.9	2.5
70°-80°	90.4	2.1
80°-90°	29.1	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°	2515.5	59.1
0°-40°	3539.3	83.1
0°-60°	4033.1	94.7
0°-90°	4259.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4259.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2898	
5°	2912	280
15°	3177	896
25°	2966	1339
35°	1666	1024
45°	420	358
55°	146	136
65°	106	107
75°	87	90
85°	27	29
90°	0	



TEST NUMBER: P582320  
CATALOG NUMBER: HCC6W35D010MB-HM63040835-61WDWB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2898.0
2.5°	2889.8
5°	2911.5
7.5°	2941.3
10°	2981.9
12.5°	3074.0
15°	3176.9
17.5°	3239.2
20°	3214.9
22.5°	3117.4
25°	2965.7
27.5°	2749.0
30°	2445.7
32.5°	2082.7
35°	1665.7
37.5°	1235.0
40°	877.5
42.5°	614.8
45°	419.8
47.5°	295.3
50°	227.4
52.5°	178.8
55°	146.2
57.5°	119.2
60°	108.3
62.5°	105.6
65°	105.6
67.5°	111.1
70°	108.3
72.5°	100.2
75°	86.7
77.5°	73.2
80°	56.8
82.5°	40.6
85°	27.1
87.5°	10.9
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)