

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: P581652

Luminaire Tested: **HCC6W10D010MB-HM60525930-61WDH**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581652  
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: HCC6W10D010MB-HM60525930-61WDH  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

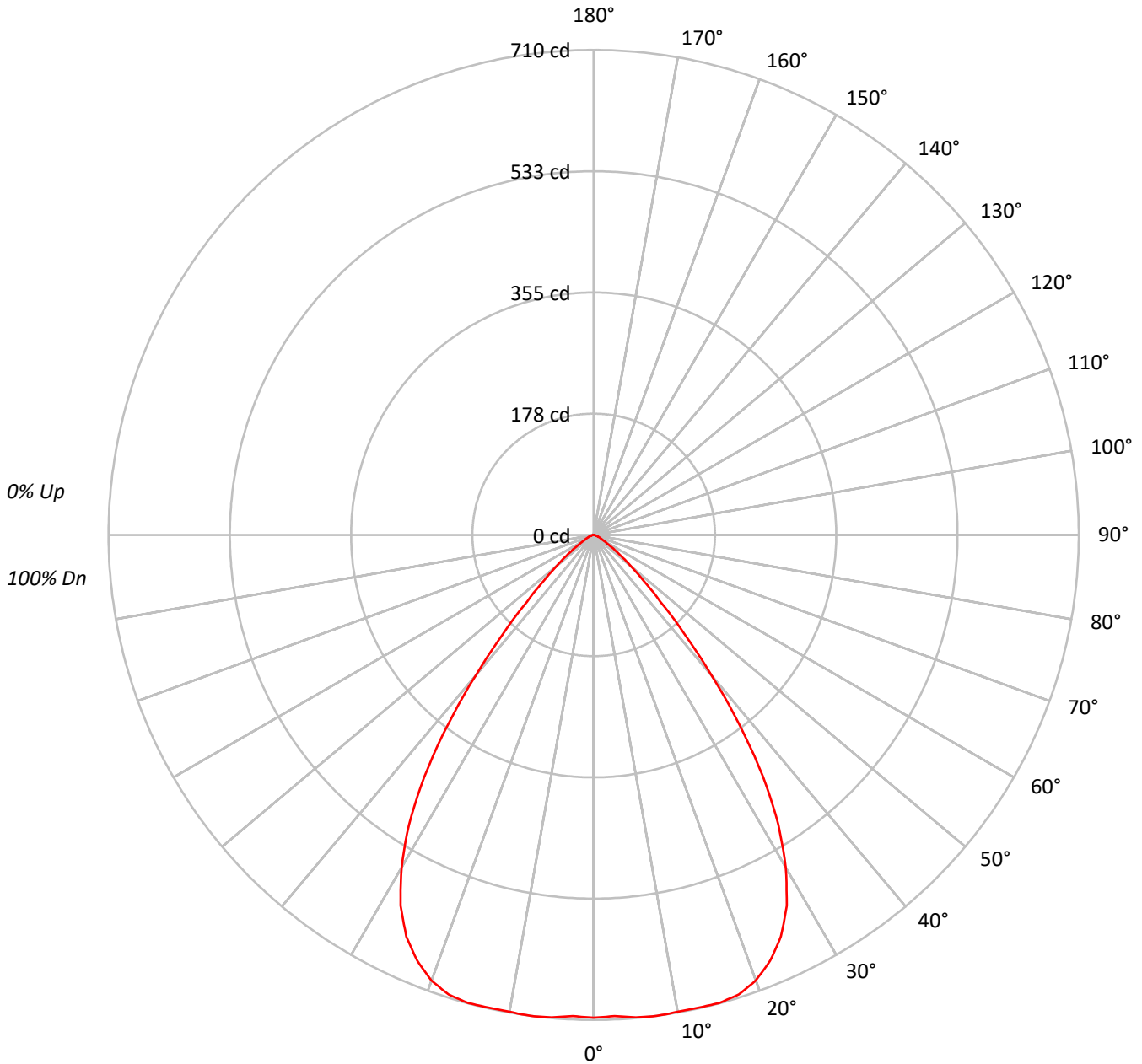
Lumens per Lamp: N/A  
Luminaire Lumens: 989.5 lumens  
Efficiency: N/A  
Efficacy: 99.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
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: P581652  
CATALOG NUMBER: HCC6W10D010MB-HM60525930-61WDH

### Luminous Intensity Polar Plot





TEST NUMBER: P581652

CATALOG NUMBER: HCC6W10D010MB-HM60525930-61WDH

**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			100
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92			92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84			84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77			77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70			70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64			64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59			59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50			50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43			43

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

	0°
0°	38747
5°	39010
10°	39462
15°	40267
20°	40493
25°	39232
30°	35594
35°	28938
40°	19207
45°	10691
50°	5996
55°	3326
60°	1842
65°	1401
70°	962
75°	720
80°	442
85°	440



TEST NUMBER: P581652  
 CATALOG NUMBER: HCC6W10D010MB-HM60525930-61WDH

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.7	6.8
10°-20°	200.1	20.2
20°-30°	294.9	29.8
30°-40°	263.7	26.7
40°-50°	114.4	11.6
50°-60°	33.6	3.4
60°-70°	10.8	1.1
70°-80°	3.8	0.4
80°-90°	0.6	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°	562.6	56.9
0°-40°	826.3	83.5
0°-60°	974.4	98.5
0°-90°	989.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	989.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	707	
5°	709	68
15°	710	200
25°	649	295
35°	432	264
45°	138	114
55°	35	34
65°	11	11
75°	3	4
85°	1	1
90°	0	



TEST NUMBER: P581652  
CATALOG NUMBER: HCC6W10D010MB-HM60525930-61WDH

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	706.8
2.5°	704.9
5°	708.9
7.5°	710.2
10°	708.9
12.5°	708.9
15°	709.5
17.5°	705.6
20°	694.1
22.5°	674.8
25°	648.6
27.5°	611.8
30°	562.3
32.5°	503.4
35°	432.4
37.5°	351.4
40°	268.4
42.5°	196.2
45°	137.9
47.5°	98.4
50°	70.3
52.5°	50.1
55°	34.8
57.5°	23.4
60°	16.8
62.5°	13.4
65°	10.8
67.5°	8.0
70°	6.0
72.5°	4.6
75°	3.4
77.5°	2.7
80°	1.4
82.5°	0.7
85°	0.7
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)