

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: P593151

Luminaire Tested: **HCC6W20D010MW-HM60525950-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593151  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W20D010MW-HM60525950-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

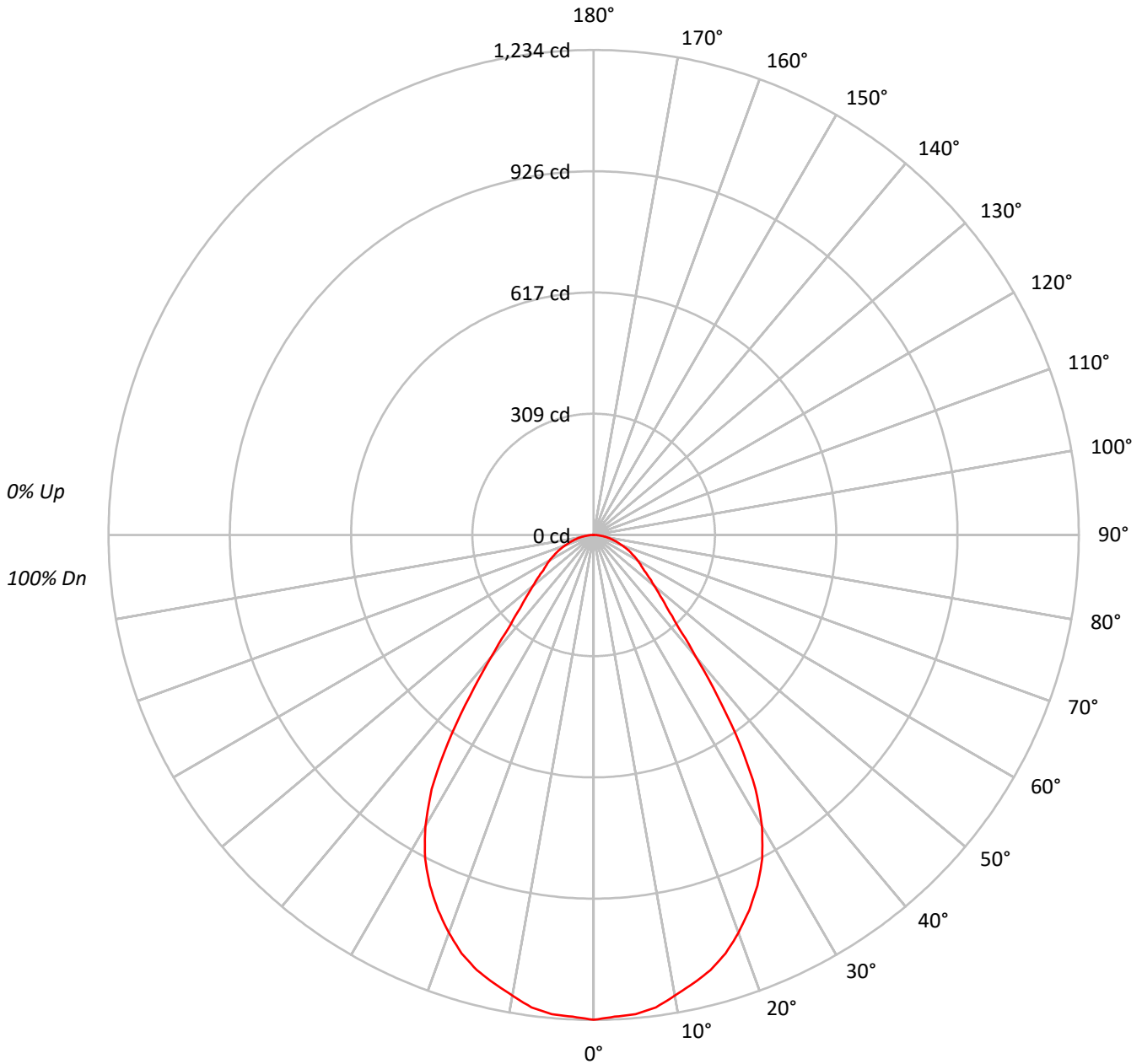
Lumens per Lamp: N/A  
Luminaire Lumens: 1816.6 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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: P593151  
CATALOG NUMBER: HCC6W20D010MW-HM60525950-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P593151

CATALOG NUMBER: HCC6W20D010MW-HM60525950-61MDW

**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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

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

	0°
0°	67626
5°	67373
10°	66248
15°	65080
20°	62830
25°	59580
30°	54192
35°	43306
40°	28890
45°	20599
50°	17159
55°	14958
60°	14133
65°	13296
70°	12230
75°	11416
80°	10386
85°	9120



TEST NUMBER: P593151  
 CATALOG NUMBER: HCC6W20D010MW-HM60525950-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.8	6.4
10°-20°	322.0	17.7
20°-30°	449.9	24.8
30°-40°	396.4	21.8
40°-50°	214.1	11.8
50°-60°	143.2	7.9
60°-70°	101.5	5.6
70°-80°	57.1	3.1
80°-90°	16.7	0.9
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°	887.7	48.9
0°-40°	1284.1	70.7
0°-60°	1641.4	90.4
0°-90°	1816.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1816.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1234	
5°	1224	116
15°	1147	322
25°	985	450
35°	647	396
45°	266	214
55°	156	143
65°	102	101
75°	54	57
85°	14	17
90°	0	



TEST NUMBER: P593151

CATALOG NUMBER: HCC6W20D010MW-HM60525950-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1233.6
2.5°	1226.9
5°	1224.3
7.5°	1212.5
10°	1190.1
12.5°	1169.1
15°	1146.7
17.5°	1116.5
20°	1077.0
22.5°	1033.6
25°	985.0
27.5°	928.5
30°	856.1
32.5°	766.7
35°	647.1
37.5°	516.9
40°	403.7
42.5°	318.3
45°	265.7
47.5°	230.1
50°	201.2
52.5°	177.5
55°	156.5
57.5°	142.1
60°	128.9
62.5°	115.7
65°	102.5
67.5°	89.4
70°	76.3
72.5°	64.5
75°	53.9
77.5°	43.4
80°	32.9
82.5°	23.7
85°	14.5
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)