

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: P581553

Luminaire Tested: **HCC6W10D010BZ-HM60525827-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581553  
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: HCC6W10D010BZ-HM60525827-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

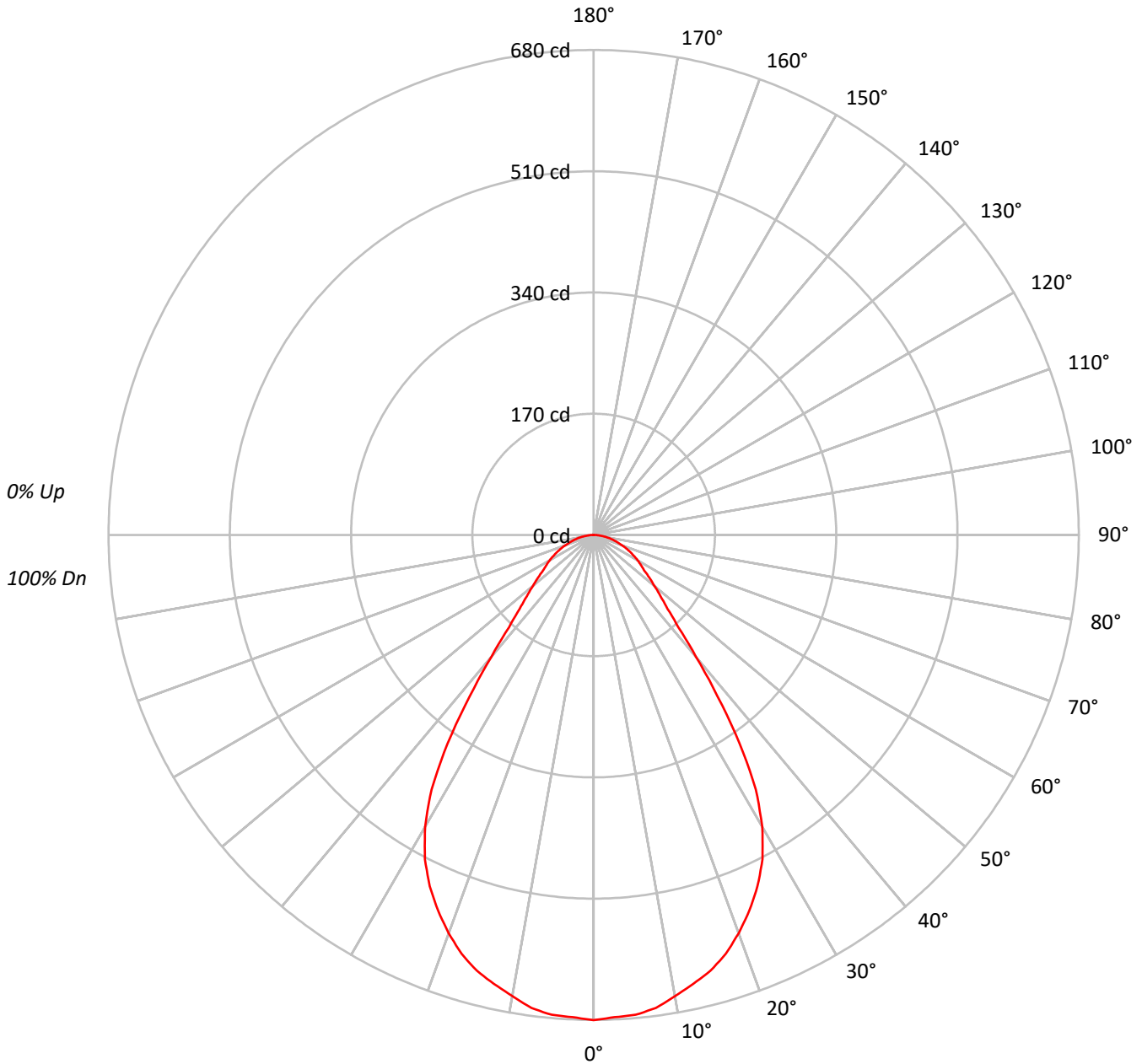
Lumens per Lamp: N/A  
Luminaire Lumens: 1002.1 lumens  
Efficiency: N/A  
Efficacy: 101.2 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (Ain): 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: P581553  
CATALOG NUMBER: HCC6W10D010BZ-HM60525827-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P581553

CATALOG NUMBER: HCC6W10D010BZ-HM60525827-61MDW

**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°	37300
5°	37172
10°	36550
15°	35903
20°	34665
25°	32869
30°	29897
35°	23885
40°	15937
45°	11366
50°	9467
55°	8258
60°	7795
65°	7342
70°	6748
75°	6312
80°	5714
85°	4969



TEST NUMBER: P581553  
 CATALOG NUMBER: HCC6W10D010BZ-HM60525827-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.9	6.4
10°-20°	177.6	17.7
20°-30°	248.2	24.8
30°-40°	218.7	21.8
40°-50°	118.2	11.8
50°-60°	79.0	7.9
60°-70°	56.0	5.6
70°-80°	31.5	3.1
80°-90°	9.1	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°	489.7	48.9
0°-40°	708.4	70.7
0°-60°	905.5	90.4
0°-90°	1002.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1002.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	680	
5°	676	64
15°	633	178
25°	543	248
35°	357	219
45°	147	118
55°	86	79
65°	57	56
75°	30	31
85°	8	9
90°	0	



TEST NUMBER: P581553  
CATALOG NUMBER: HCC6W10D010BZ-HM60525827-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	680.4
2.5°	676.8
5°	675.5
7.5°	668.9
10°	656.6
12.5°	644.9
15°	632.6
17.5°	615.9
20°	594.2
22.5°	570.2
25°	543.4
27.5°	512.2
30°	472.3
32.5°	422.9
35°	356.9
37.5°	285.2
40°	222.7
42.5°	175.6
45°	146.6
47.5°	127.0
50°	111.0
52.5°	97.9
55°	86.4
57.5°	78.3
60°	71.1
62.5°	63.8
65°	56.6
67.5°	49.4
70°	42.1
72.5°	35.5
75°	29.8
77.5°	23.9
80°	18.1
82.5°	13.0
85°	7.9
87.5°	3.6
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)