

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: P581697

Luminaire Tested: **HCC6W15D010BZ-HM60525827-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581697  
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: HCC6W15D010BZ-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**

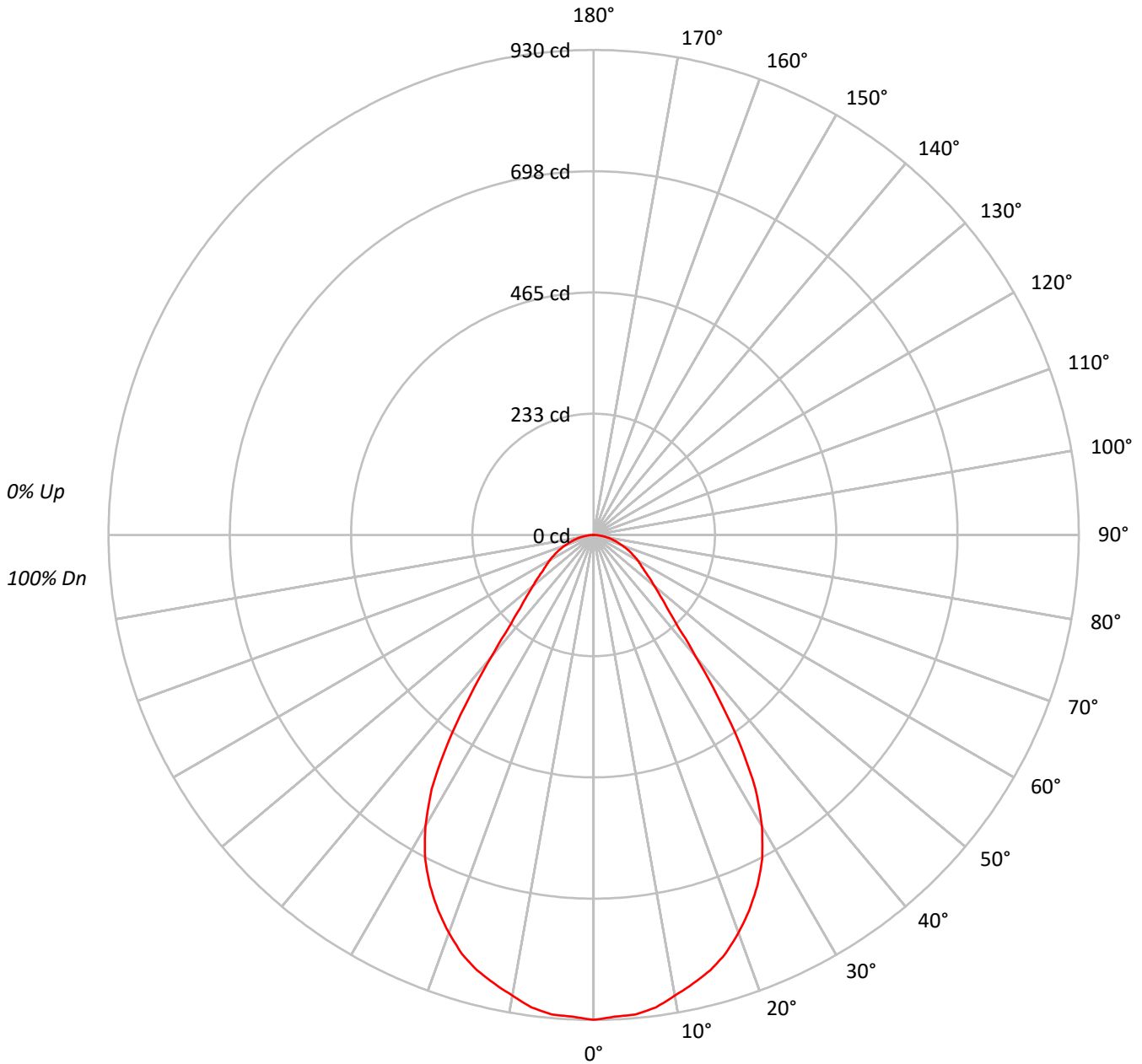
Lumens per Lamp: N/A  
Luminaire Lumens: 1369.1 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 14  
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: P581697  
CATALOG NUMBER: HCC6W15D010BZ-HM60525827-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P581697

CATALOG NUMBER: HCC6W15D010BZ-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	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79	79	79	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63	63	63	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	48	48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40	40	40	40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

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

	0°
0°	50972
5°	50787
10°	49938
15°	49052
20°	47365
25°	44906
30°	40842
35°	32638
40°	21777
45°	15521
50°	12929
55°	11268
60°	10657
65°	10027
70°	9216
75°	8599
80°	7798
85°	6856



TEST NUMBER: P581697  
 CATALOG NUMBER: HCC6W15D010BZ-HM60525827-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	6.4
10°-20°	242.7	17.7
20°-30°	339.1	24.8
30°-40°	298.7	21.8
40°-50°	161.4	11.8
50°-60°	107.9	7.9
60°-70°	76.5	5.6
70°-80°	43.0	3.1
80°-90°	12.5	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°	669.1	48.9
0°-40°	967.8	70.7
0°-60°	1237.1	90.4
0°-90°	1369.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1369.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	930	
5°	923	87
15°	864	243
25°	742	339
35°	488	299
45°	200	161
55°	118	108
65°	77	77
75°	41	43
85°	11	13
90°	0	



TEST NUMBER: P581697  
CATALOG NUMBER: HCC6W15D010BZ-HM60525827-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	929.8
2.5°	924.8
5°	922.9
7.5°	913.9
10°	897.1
12.5°	881.2
15°	864.3
17.5°	841.6
20°	811.9
22.5°	779.1
25°	742.4
27.5°	699.8
30°	645.2
32.5°	577.9
35°	487.7
37.5°	389.5
40°	304.3
42.5°	239.8
45°	200.2
47.5°	173.4
50°	151.6
52.5°	133.8
55°	117.9
57.5°	107.0
60°	97.2
62.5°	87.3
65°	77.3
67.5°	67.4
70°	57.5
72.5°	48.6
75°	40.6
77.5°	32.7
80°	24.7
82.5°	17.8
85°	10.9
87.5°	5.0
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)