

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: P582489

Luminaire Tested: **HCC6W40D010MB-HM63040927-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582489  
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: HCC6W40D010MB-HM63040927-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

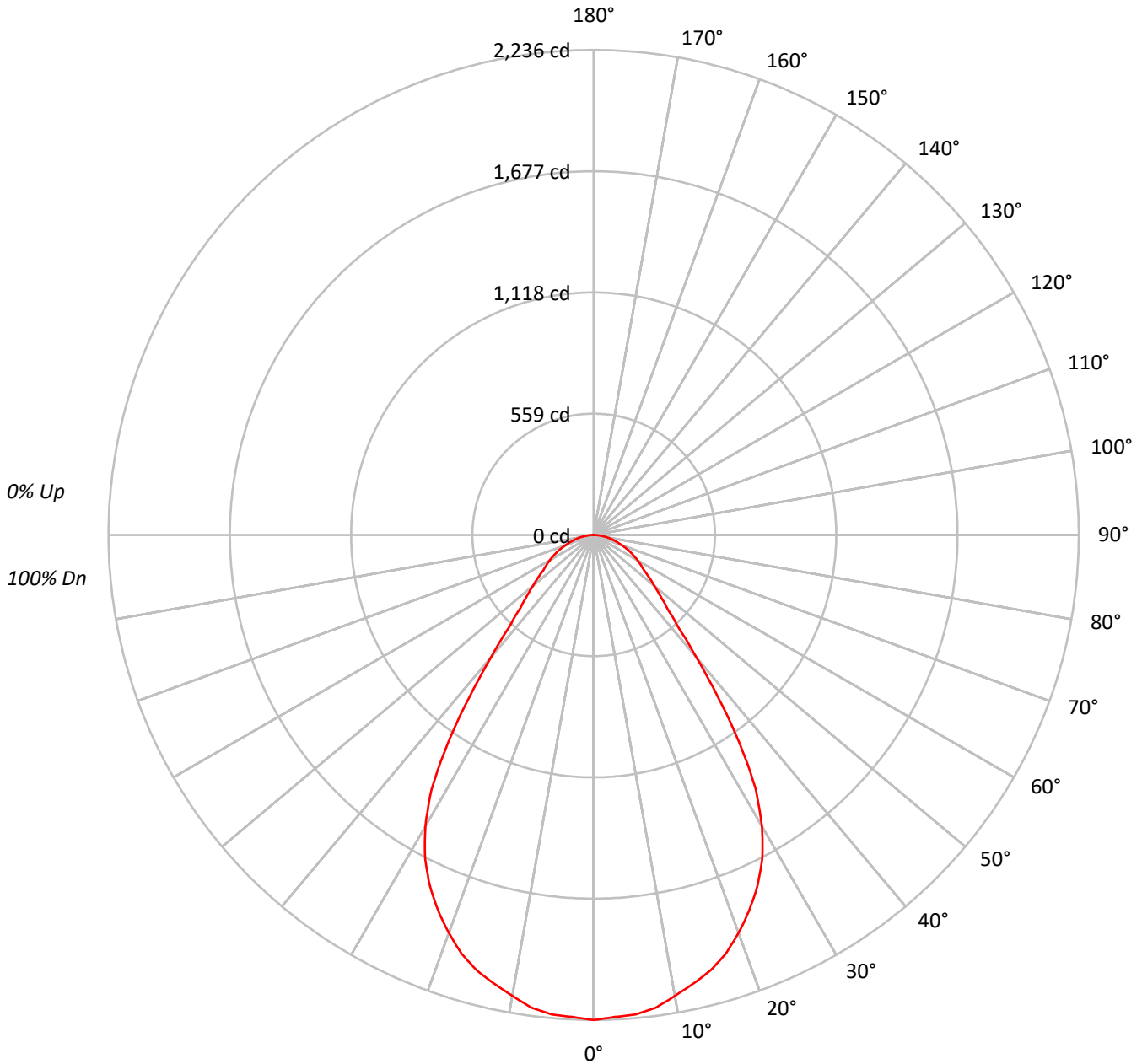
Lumens per Lamp: N/A  
Luminaire Lumens: 3293.4 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41  
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: P582489  
CATALOG NUMBER: HCC6W40D010MB-HM63040927-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582489

CATALOG NUMBER: HCC6W40D010MB-HM63040927-61MDW

**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°	122605
5°	122149
10°	120116
15°	117997
20°	113923
25°	108018
30°	98256
35°	78507
40°	52377
45°	37337
50°	31112
55°	27115
60°	25612
65°	24127
70°	22151
75°	20694
80°	18816
85°	16480



TEST NUMBER: P582489  
 CATALOG NUMBER: HCC6W40D010MB-HM63040927-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.9	6.4
10°-20°	583.8	17.7
20°-30°	815.8	24.8
30°-40°	718.6	21.8
40°-50°	388.2	11.8
50°-60°	259.6	7.9
60°-70°	184.0	5.6
70°-80°	103.4	3.1
80°-90°	30.1	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°	1609.5	48.9
0°-40°	2328.1	70.7
0°-60°	2975.8	90.4
0°-90°	3293.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3293.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2236	
5°	2220	210
15°	2079	584
25°	1786	816
35°	1173	719
45°	482	388
55°	284	260
65°	186	184
75°	98	103
85°	26	30
90°	0	



TEST NUMBER: P582489  
CATALOG NUMBER: HCC6W40D010MB-HM63040927-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2236.5
2.5°	2224.5
5°	2219.7
7.5°	2198.2
10°	2157.8
12.5°	2119.6
15°	2079.1
17.5°	2024.3
20°	1952.8
22.5°	1874.0
25°	1785.8
27.5°	1683.3
30°	1552.2
32.5°	1390.1
35°	1173.1
37.5°	937.0
40°	731.9
42.5°	576.9
45°	481.6
47.5°	417.2
50°	364.8
52.5°	321.8
55°	283.7
57.5°	257.5
60°	233.6
62.5°	209.9
65°	186.0
67.5°	162.1
70°	138.2
72.5°	116.9
75°	97.7
77.5°	78.7
80°	59.6
82.5°	42.9
85°	26.2
87.5°	11.9
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)