

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: P582115

Luminaire Tested: **HCC6W25D010MW-HM60525940-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010MW-HM60525940-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

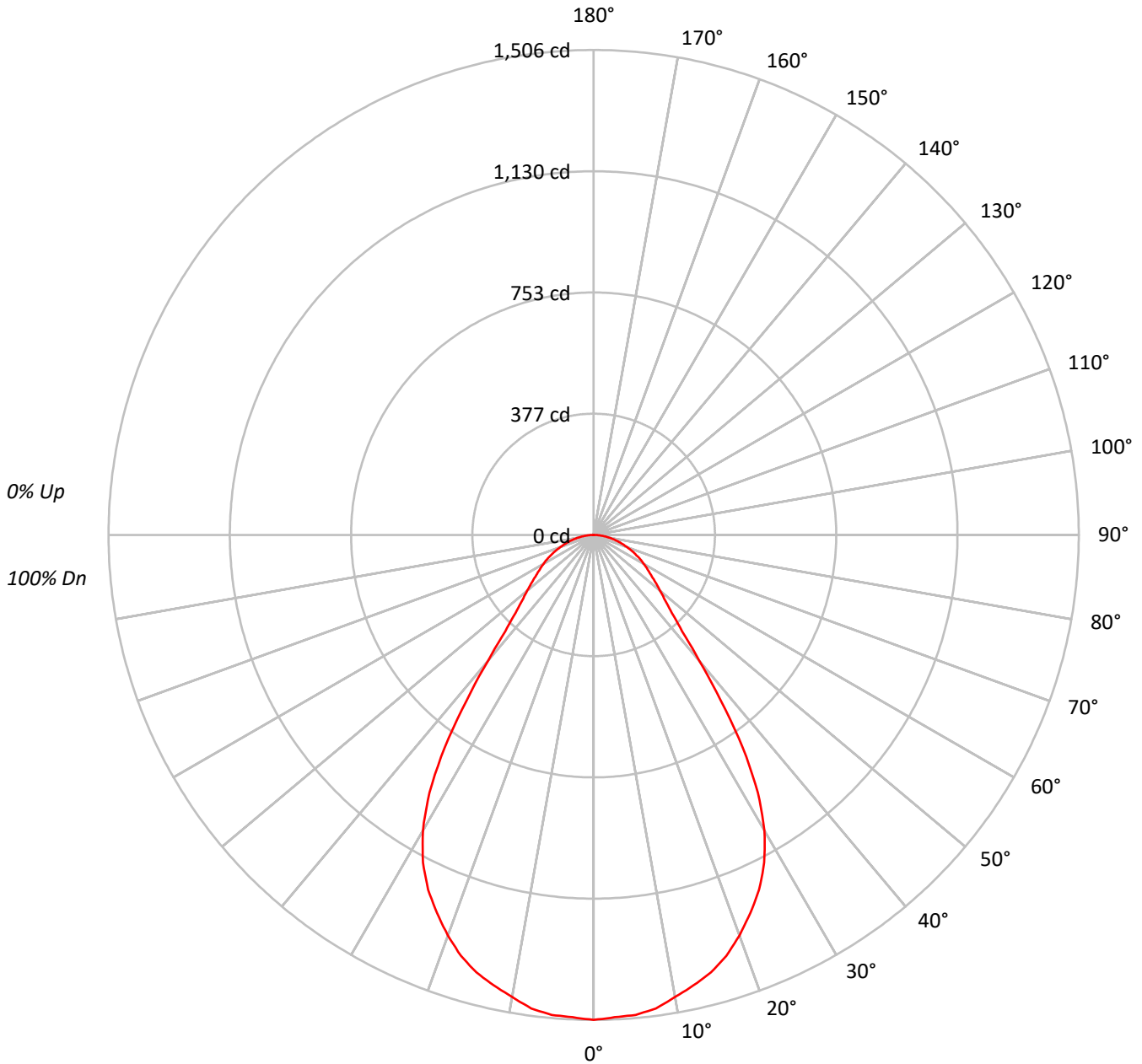
Lumens per Lamp: N/A  
Luminaire Lumens: 2309.7 lumens  
Efficiency: N/A  
Efficacy: 86.2 lumens/watt  
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 26.8  
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: P582115  
CATALOG NUMBER: HCC6W25D010MW-HM60525940-61PSMDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582115

CATALOG NUMBER: HCC6W25D010MW-HM60525940-61PSMDW

**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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90		88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80		78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71		69
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64		62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58		56
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53		51
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48		46
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44		43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41		39
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38		36

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

	0°
0°	82559
5°	82330
10°	81105
15°	79819
20°	77193
25°	73522
30°	67131
35°	54047
40°	36433
45°	26561
50°	22950
55°	20740
60°	19669
65°	18627
70°	17519
75°	16585
80°	15469
85°	14341



TEST NUMBER: P582115

CATALOG NUMBER: HCC6W25D010MW-HM60525940-61PSMDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.6	6.1
10°-20°	395.0	17.1
20°-30°	554.9	24.0
30°-40°	493.9	21.4
40°-50°	276.0	12.0
50°-60°	196.7	8.5
60°-70°	143.1	6.2
70°-80°	82.9	3.6
80°-90°	25.7	1.1
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°	1091.4	47.3
0°-40°	1585.4	68.6
0°-60°	2058.0	89.1
0°-90°	2309.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2309.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1506	
5°	1496	142
15°	1406	395
25°	1216	555
35°	808	494
45°	343	276
55°	217	197
65°	144	143
75°	78	83
85°	23	26
90°	0	



TEST NUMBER: P582115

CATALOG NUMBER: HCC6W25D010MW-HM60525940-61PSMDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1506.0
2.5°	1499.3
5°	1496.1
7.5°	1483.1
10°	1457.0
12.5°	1432.6
15°	1406.4
17.5°	1370.5
20°	1323.2
22.5°	1270.9
25°	1215.5
27.5°	1147.0
30°	1060.5
32.5°	949.5
35°	807.6
37.5°	647.7
40°	509.1
42.5°	406.2
45°	342.6
47.5°	300.2
50°	269.1
52.5°	241.5
55°	217.0
57.5°	197.5
60°	179.4
62.5°	163.1
65°	143.6
67.5°	127.3
70°	109.3
72.5°	93.0
75°	78.3
77.5°	63.7
80°	49.0
82.5°	35.8
85°	22.8
87.5°	11.4
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)