

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: P582060

Luminaire Tested: **HCC6W25D010SL-HM60525927-61NDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582060  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W25D010SL-HM60525927-61NDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

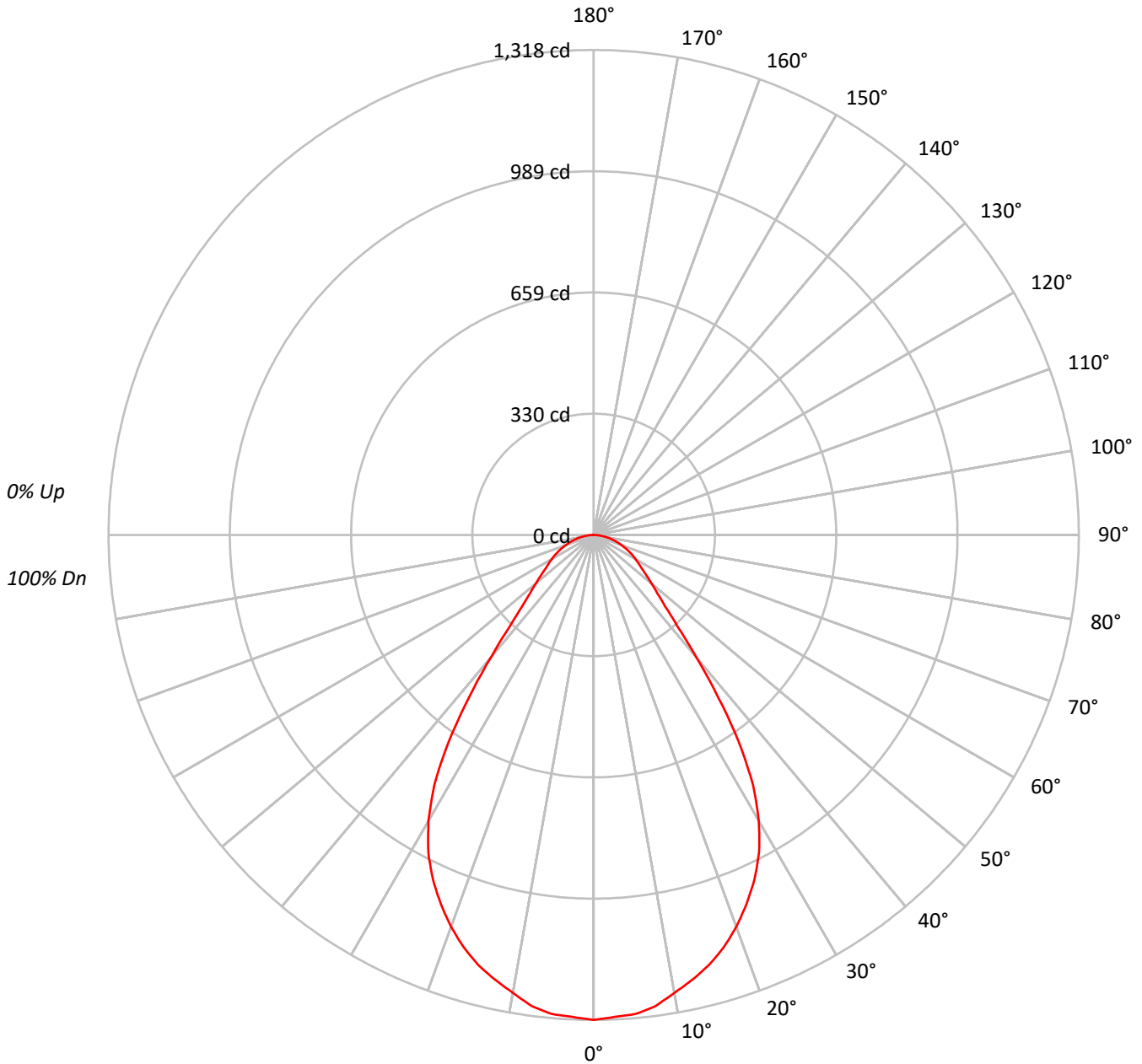
Lumens per Lamp: N/A  
Luminaire Lumens: 1907.8 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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: P582060  
CATALOG NUMBER: HCC6W25D010SL-HM60525927-61NDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582060

CATALOG NUMBER: HCC6W25D010SL-HM60525927-61NDW

**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	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	83	86	83	81	79					79			
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70					70			
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63					63			
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57					57			
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52					52			
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48					48			
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44					44			
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41					41			
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38					38			

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

	0°
0°	72264
5°	71918
10°	70328
15°	68678
20°	66103
25°	62514
30°	56806
35°	45983
40°	31008
45°	21305
50°	17458
55°	15283
60°	14451
65°	13633
70°	12807
75°	12179
80°	11081
85°	9686



TEST NUMBER: P582060  
 CATALOG NUMBER: HCC6W25D010SL-HM60525927-61NDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.4	6.5
10°-20°	339.8	17.8
20°-30°	472.1	24.7
30°-40°	420.4	22.0
40°-50°	223.2	11.7
50°-60°	146.0	7.7
60°-70°	104.6	5.5
70°-80°	60.6	3.2
80°-90°	17.7	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°	935.4	49.0
0°-40°	1355.7	71.1
0°-60°	1724.9	90.4
0°-90°	1907.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1907.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1318	
5°	1307	123
15°	1210	340
25°	1034	472
35°	687	420
45°	275	223
55°	160	146
65°	105	105
75°	58	61
85°	15	18
90°	0	



TEST NUMBER: P582060  
CATALOG NUMBER: HCC6W25D010SL-HM60525927-61NDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1318.2
2.5°	1311.1
5°	1306.9
7.5°	1291.5
10°	1263.4
12.5°	1238.2
15°	1210.1
17.5°	1175.1
20°	1133.1
22.5°	1085.3
25°	1033.5
27.5°	973.2
30°	897.4
32.5°	806.3
35°	687.1
37.5°	555.3
40°	433.3
42.5°	336.6
45°	274.8
47.5°	234.2
50°	204.7
52.5°	180.9
55°	159.9
57.5°	144.5
60°	131.8
62.5°	119.2
65°	105.1
67.5°	92.6
70°	79.9
72.5°	68.7
75°	57.5
77.5°	46.2
80°	35.1
82.5°	25.2
85°	15.4
87.5°	7.0
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)