

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: P593143

Luminaire Tested: **HCC6W20D010SL-HM60525950-61WDWB**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6W20D010SL-HM60525950-61WDWB  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

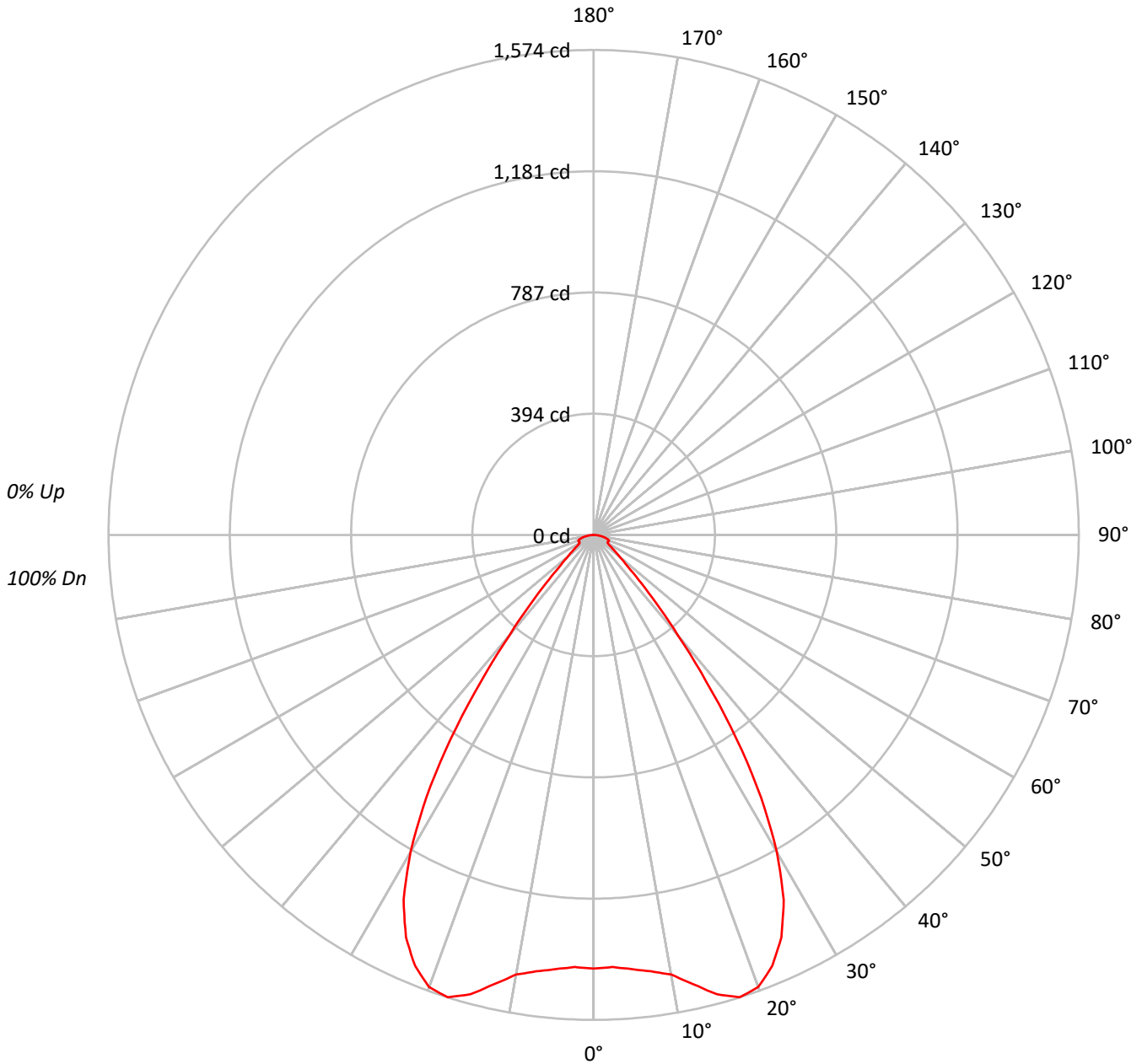
Lumens per Lamp: N/A  
Luminaire Lumens: 2069.1 lumens  
Efficiency: N/A  
Efficacy: 103.5 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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: P593143  
CATALOG NUMBER: HCC6W20D010SL-HM60525950-61WDWB

### Luminous Intensity Polar Plot





TEST NUMBER: P593143

CATALOG NUMBER: HCC6W20D010SL-HM60525950-61WDWB

**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			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

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

	0°
0°	77176
5°	77828
10°	80632
15°	87588
20°	91101
25°	87138
30°	75208
35°	54147
40°	30500
45°	15808
50°	9424
55°	6786
60°	5767
65°	6654
70°	8431
75°	8917
80°	8713
85°	8240



TEST NUMBER: P593143  
 CATALOG NUMBER: HCC6W20D010SL-HM60525950-61WDWB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.1	6.6
10°-20°	435.3	21.0
20°-30°	650.6	31.4
30°-40°	497.3	24.0
40°-50°	173.7	8.4
50°-60°	66.2	3.2
60°-70°	51.9	2.5
70°-80°	43.9	2.1
80°-90°	14.1	0.7
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°	1221.9	59.1
0°-40°	1719.3	83.1
0°-60°	1959.1	94.7
0°-90°	2069.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2069.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1408	
5°	1414	136
15°	1543	435
25°	1441	651
35°	809	497
45°	204	174
55°	71	66
65°	51	52
75°	42	44
85°	13	14
90°	0	



TEST NUMBER: P593143

CATALOG NUMBER: HCC6W20D010SL-HM60525950-61WDWB

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1407.8
2.5°	1403.8
5°	1414.3
7.5°	1428.8
10°	1448.5
12.5°	1493.3
15°	1543.3
17.5°	1573.5
20°	1561.6
22.5°	1514.3
25°	1440.6
27.5°	1335.4
30°	1188.1
32.5°	1011.8
35°	809.1
37.5°	599.9
40°	426.2
42.5°	298.7
45°	203.9
47.5°	143.4
50°	110.5
52.5°	86.8
55°	71.0
57.5°	57.9
60°	52.6
62.5°	51.3
65°	51.3
67.5°	53.9
70°	52.6
72.5°	48.7
75°	42.1
77.5°	35.6
80°	27.6
82.5°	19.7
85°	13.1
87.5°	5.2
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)