

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: P581913

Luminaire Tested: **HCC6S20D010SL-HM60525927-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P581913  
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: HCC6S20D010SL-HM60525927-61MDW  
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**

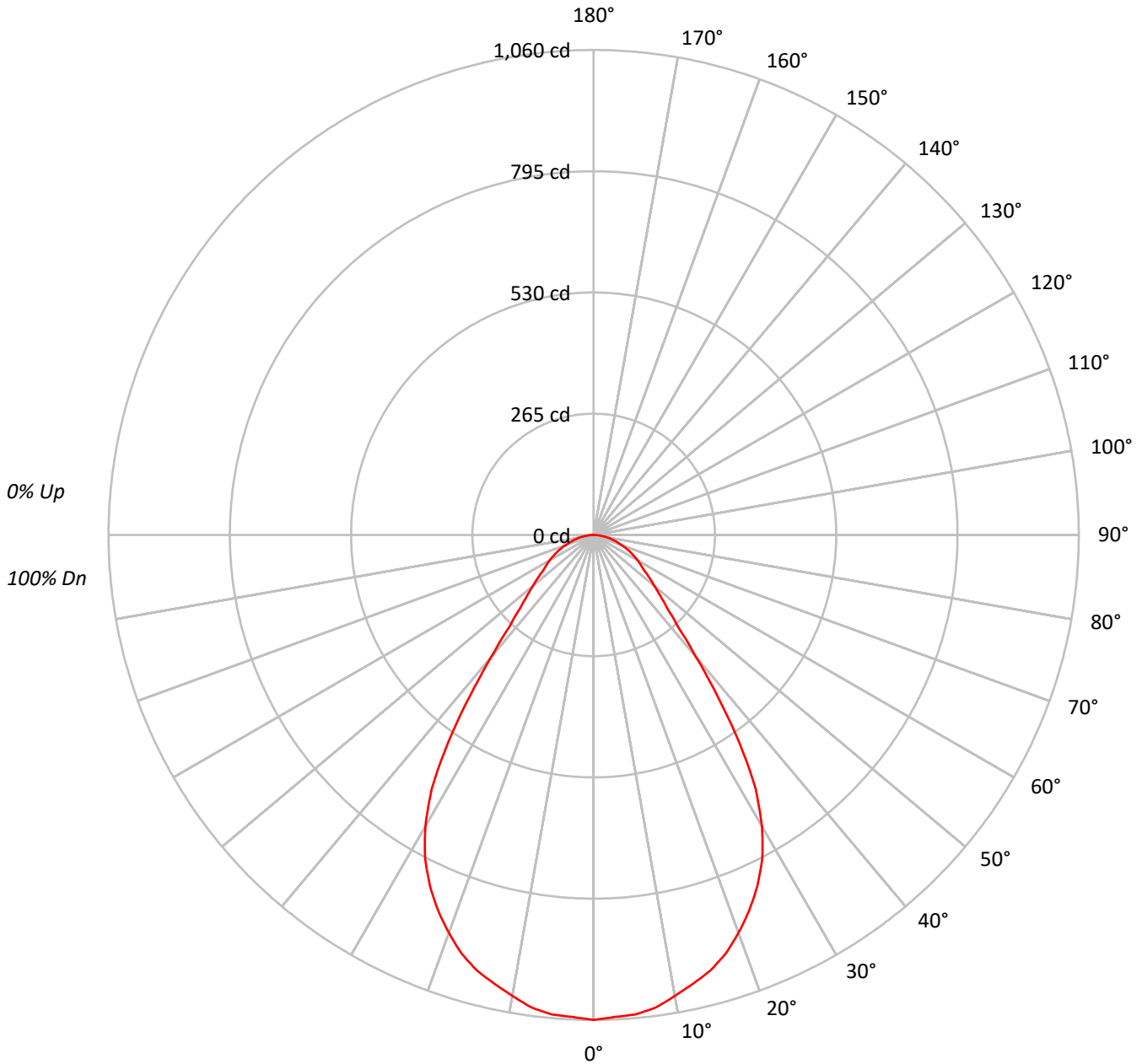
Lumens per Lamp: N/A  
Luminaire Lumens: 1561.1 lumens  
Efficiency: N/A  
Efficacy: 78.1 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 20  
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: P581913  
CATALOG NUMBER: HCC6S20D010SL-HM60525927-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P581913

CATALOG NUMBER: HCC6S20D010SL-HM60525927-61MDW

**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
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	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

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

	0°
0°	58109
5°	57902
10°	56935
15°	55931
20°	53992
25°	51203
30°	46577
35°	37216
40°	24825
45°	17700
50°	14746
55°	12855
60°	12148
65°	11428
70°	10515
75°	9807
80°	8903
85°	7862



TEST NUMBER: P581913  
 CATALOG NUMBER: HCC6S20D010SL-HM60525927-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.5	6.4
10°-20°	276.7	17.7
20°-30°	386.7	24.8
30°-40°	340.6	21.8
40°-50°	184.0	11.8
50°-60°	123.0	7.9
60°-70°	87.2	5.6
70°-80°	49.0	3.1
80°-90°	14.3	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°	762.9	48.9
0°-40°	1103.5	70.7
0°-60°	1410.6	90.4
0°-90°	1561.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1561.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1060	
5°	1052	100
15°	986	277
25°	846	387
35°	556	341
45°	228	184
55°	134	123
65°	88	87
75°	46	49
85°	12	14
90°	0	



TEST NUMBER: P581913

CATALOG NUMBER: HCC6S20D010SL-HM60525927-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1060.0
2.5°	1054.5
5°	1052.2
7.5°	1042.0
10°	1022.8
12.5°	1004.7
15°	985.5
17.5°	959.5
20°	925.5
22.5°	888.3
25°	846.5
27.5°	797.9
30°	735.8
32.5°	658.8
35°	556.1
37.5°	444.1
40°	346.9
42.5°	273.5
45°	228.3
47.5°	197.8
50°	172.9
52.5°	152.6
55°	134.5
57.5°	122.0
60°	110.8
62.5°	99.5
65°	88.1
67.5°	76.8
70°	65.6
72.5°	55.4
75°	46.3
77.5°	37.3
80°	28.2
82.5°	20.4
85°	12.5
87.5°	5.7
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)