

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: P593223

Luminaire Tested: **HCC6S30D010MB-HM63040950-61MDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593223  
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: HCC6S30D010MB-HM63040950-61MDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

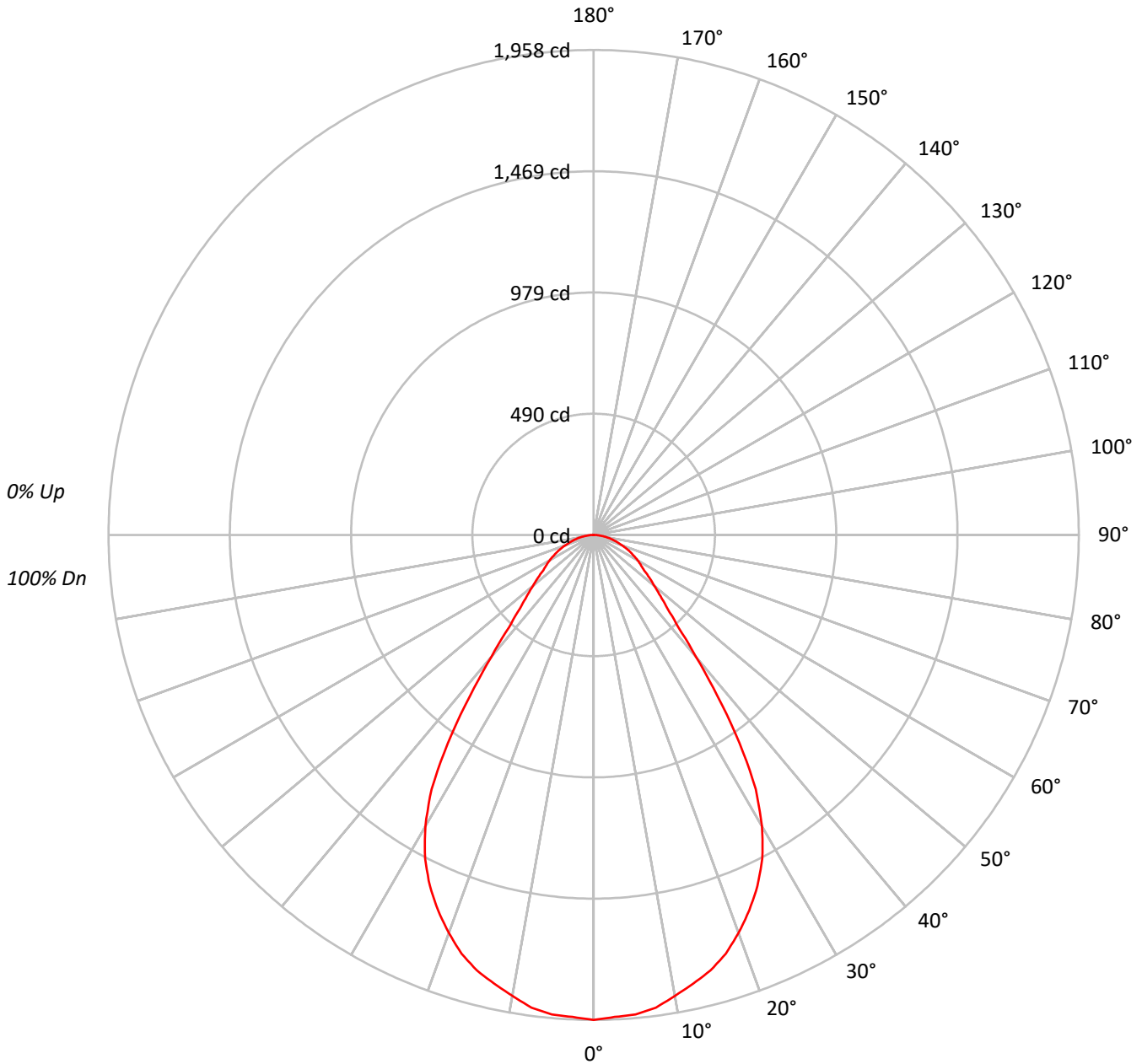
Lumens per Lamp: N/A  
Luminaire Lumens: 2883.9 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 28  
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: P593223  
CATALOG NUMBER: HCC6S30D010MB-HM63040950-61MDW

### Luminous Intensity Polar Plot





TEST NUMBER: P593223

CATALOG NUMBER: HCC6S30D010MB-HM63040950-61MDW

**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°	107354
5°	106961
10°	105175
15°	103321
20°	99753
25°	94590
30°	86032
35°	68743
40°	45872
45°	32693
50°	27249
55°	23751
60°	22432
65°	21131
70°	19394
75°	18131
80°	16479
85°	14404



TEST NUMBER: P593223  
 CATALOG NUMBER: HCC6S30D010MB-HM63040950-61MDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	183.8	6.4
10°-20°	511.2	17.7
20°-30°	714.3	24.8
30°-40°	629.2	21.8
40°-50°	340.0	11.8
50°-60°	227.3	7.9
60°-70°	161.1	5.6
70°-80°	90.5	3.1
80°-90°	26.4	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°	1409.3	48.9
0°-40°	2038.6	70.7
0°-60°	2605.8	90.4
0°-90°	2883.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2883.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1958	
5°	1944	184
15°	1820	511
25°	1564	714
35°	1027	629
45°	422	340
55°	248	227
65°	163	161
75°	86	91
85°	23	26
90°	0	



TEST NUMBER: P593223  
CATALOG NUMBER: HCC6S30D010MB-HM63040950-61MDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1958.3
2.5°	1947.9
5°	1943.7
7.5°	1924.9
10°	1889.4
12.5°	1856.0
15°	1820.5
17.5°	1772.6
20°	1709.9
22.5°	1640.9
25°	1563.8
27.5°	1474.0
30°	1359.1
32.5°	1217.2
35°	1027.2
37.5°	820.5
40°	641.0
42.5°	505.2
45°	421.7
47.5°	365.4
50°	319.5
52.5°	281.8
55°	248.5
57.5°	225.4
60°	204.6
62.5°	183.7
65°	162.9
67.5°	142.0
70°	121.0
72.5°	102.3
75°	85.6
77.5°	68.8
80°	52.2
82.5°	37.6
85°	22.9
87.5°	10.5
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)