

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: P582517

Luminaire Tested: **HCC6S40D010MB-HM63040930-61WDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582517  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S40D010MB-HM63040930-61WDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

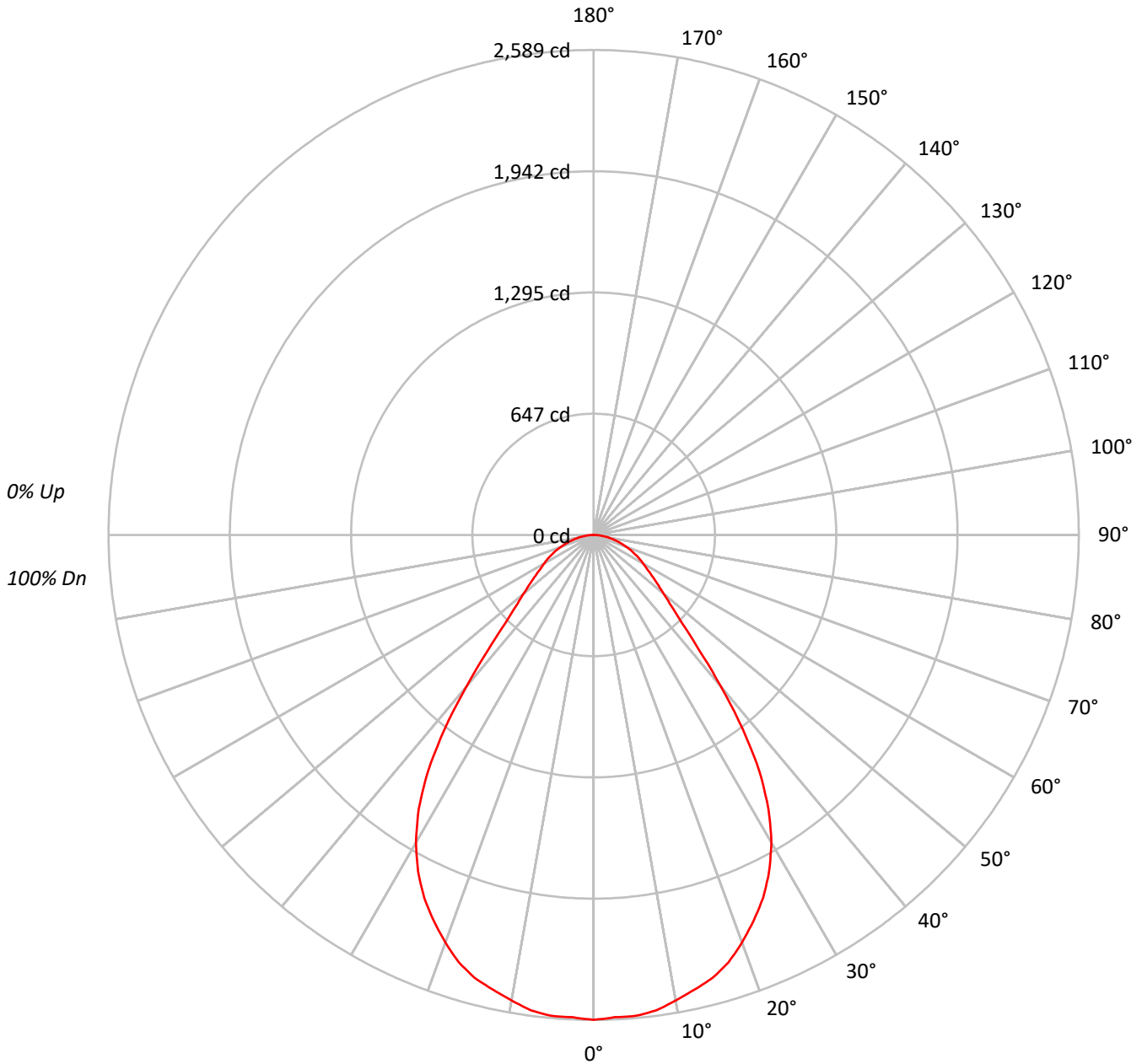
Lumens per Lamp: N/A  
Luminaire Lumens: 4158.9 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41  
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: P582517  
CATALOG NUMBER: HCC6S40D010MB-HM63040930-61WDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582517

CATALOG NUMBER: HCC6S40D010MB-HM63040930-61WDW

**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	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			36

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

	0°
0°	141924
5°	141839
10°	140467
15°	139013
20°	135083
25°	129376
30°	120075
35°	103302
40°	75406
45°	51672
50°	41534
55°	36204
60°	33407
65°	31767
70°	29684
75°	27747
80°	25193
85°	21511



TEST NUMBER: P582517  
 CATALOG NUMBER: HCC6S40D010MB-HM63040930-61WDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	244.3	5.9
10°-20°	687.9	16.5
20°-30°	978.3	23.5
30°-40°	941.9	22.6
40°-50°	541.9	13.0
50°-60°	343.4	8.3
60°-70°	243.0	5.8
70°-80°	138.6	3.3
80°-90°	39.5	1.0
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°	1910.6	45.9
0°-40°	2852.5	68.6
0°-60°	3737.8	89.9
0°-90°	4158.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4158.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2589	
5°	2578	244
15°	2449	688
25°	2139	978
35°	1544	942
45°	666	542
55°	379	343
65°	245	243
75°	131	139
85°	34	40
90°	0	



TEST NUMBER: P582517  
CATALOG NUMBER: HCC6S40D010MB-HM63040930-61WDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2588.9
2.5°	2577.5
5°	2577.5
7.5°	2560.4
10°	2523.4
12.5°	2486.3
15°	2449.4
17.5°	2392.4
20°	2315.5
22.5°	2230.0
25°	2138.9
27.5°	2027.8
30°	1896.9
32.5°	1737.4
35°	1543.6
37.5°	1307.3
40°	1053.7
42.5°	831.6
45°	666.5
47.5°	561.1
50°	487.0
52.5°	427.2
55°	378.8
57.5°	336.1
60°	304.7
62.5°	276.2
65°	244.9
67.5°	216.4
70°	185.2
72.5°	156.7
75°	131.0
77.5°	105.4
80°	79.8
82.5°	57.0
85°	34.2
87.5°	14.2
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)