

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: P582265

Luminaire Tested: **HCC6S30D010MW-HM63040940-61WDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582265  
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: HCC6S30D010MW-HM63040940-61WDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

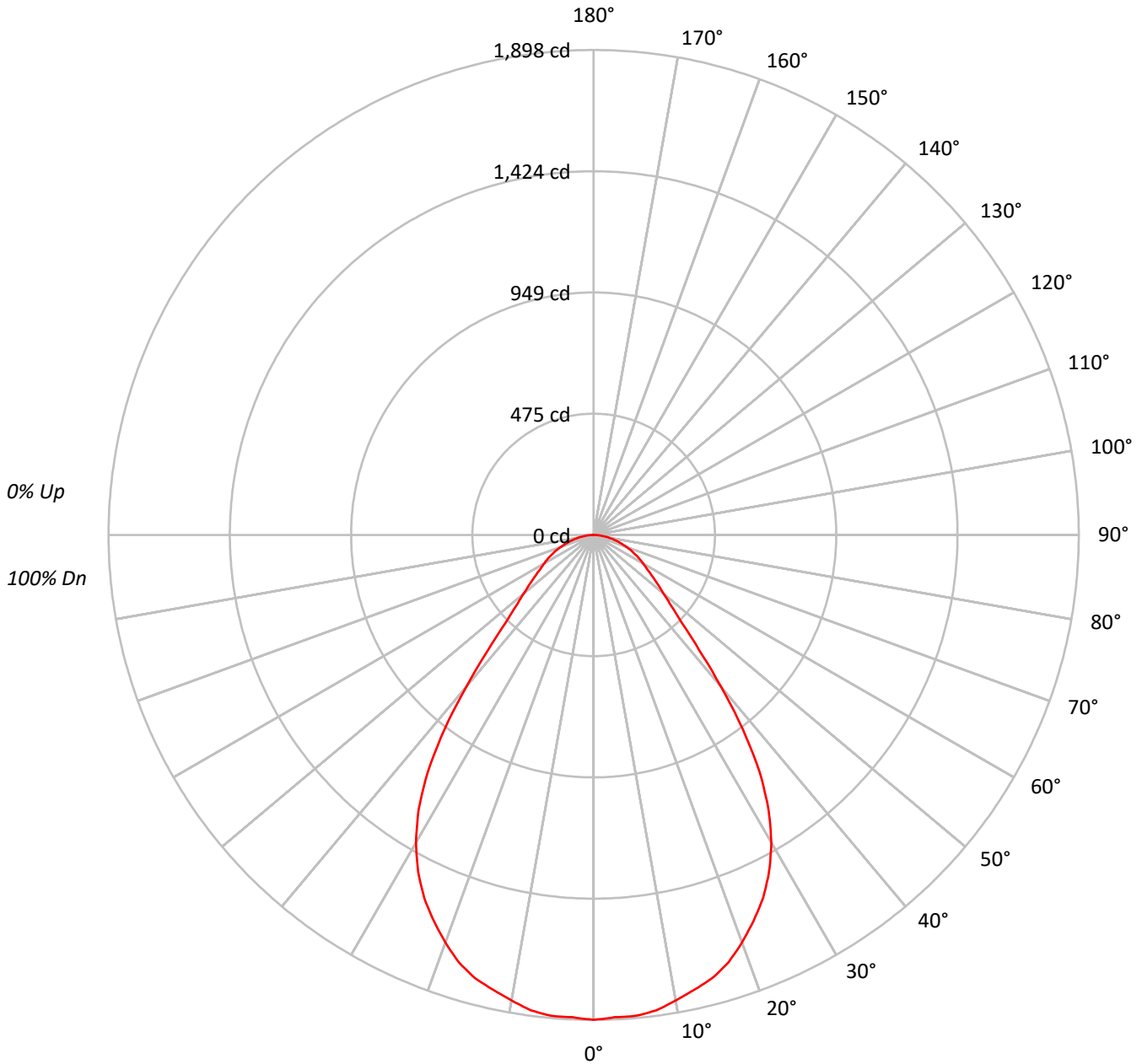
Lumens per Lamp: N/A  
Luminaire Lumens: 3048.9 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 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: P582265  
CATALOG NUMBER: HCC6S30D010MW-HM63040940-61WDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582265  
 CATALOG NUMBER: HCC6S30D010MW-HM63040940-61WDW

**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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90		89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80		78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71		69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64		62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58		56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52		51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48		46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44		42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41		39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38		36

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

	0°
0°	104043
5°	103984
10°	102971
15°	101908
20°	99024
25°	94850
30°	88020
35°	75737
40°	55282
45°	37880
50°	30455
55°	26532
60°	24494
65°	23284
70°	21750
75°	20355
80°	18468
85°	15788



TEST NUMBER: P582265  
 CATALOG NUMBER: HCC6S30D010MW-HM63040940-61WDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.1	5.9
10°-20°	504.3	16.5
20°-30°	717.2	23.5
30°-40°	690.5	22.6
40°-50°	397.3	13.0
50°-60°	251.7	8.3
60°-70°	178.2	5.8
70°-80°	101.6	3.3
80°-90°	29.0	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°	1400.6	45.9
0°-40°	2091.1	68.6
0°-60°	2740.1	89.9
0°-90°	3048.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3048.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1898	
5°	1890	179
15°	1796	504
25°	1568	717
35°	1132	690
45°	489	397
55°	278	252
65°	180	178
75°	96	102
85°	25	29
90°	0	



TEST NUMBER: P582265

CATALOG NUMBER: HCC6S30D010MW-HM63040940-61WDW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1897.9
2.5°	1889.6
5°	1889.6
7.5°	1877.0
10°	1849.8
12.5°	1822.7
15°	1795.6
17.5°	1753.8
20°	1697.4
22.5°	1634.8
25°	1568.1
27.5°	1486.6
30°	1390.5
32.5°	1273.7
35°	1131.7
37.5°	958.3
40°	772.5
42.5°	609.7
45°	488.6
47.5°	411.3
50°	357.1
52.5°	313.2
55°	277.6
57.5°	246.4
60°	223.4
62.5°	202.5
65°	179.5
67.5°	158.7
70°	135.7
72.5°	114.9
75°	96.1
77.5°	77.3
80°	58.5
82.5°	41.7
85°	25.1
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)