

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: P582511

Luminaire Tested: **HCC6S40D010MW-HM63040930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582511
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S40D010MW-HM63040930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

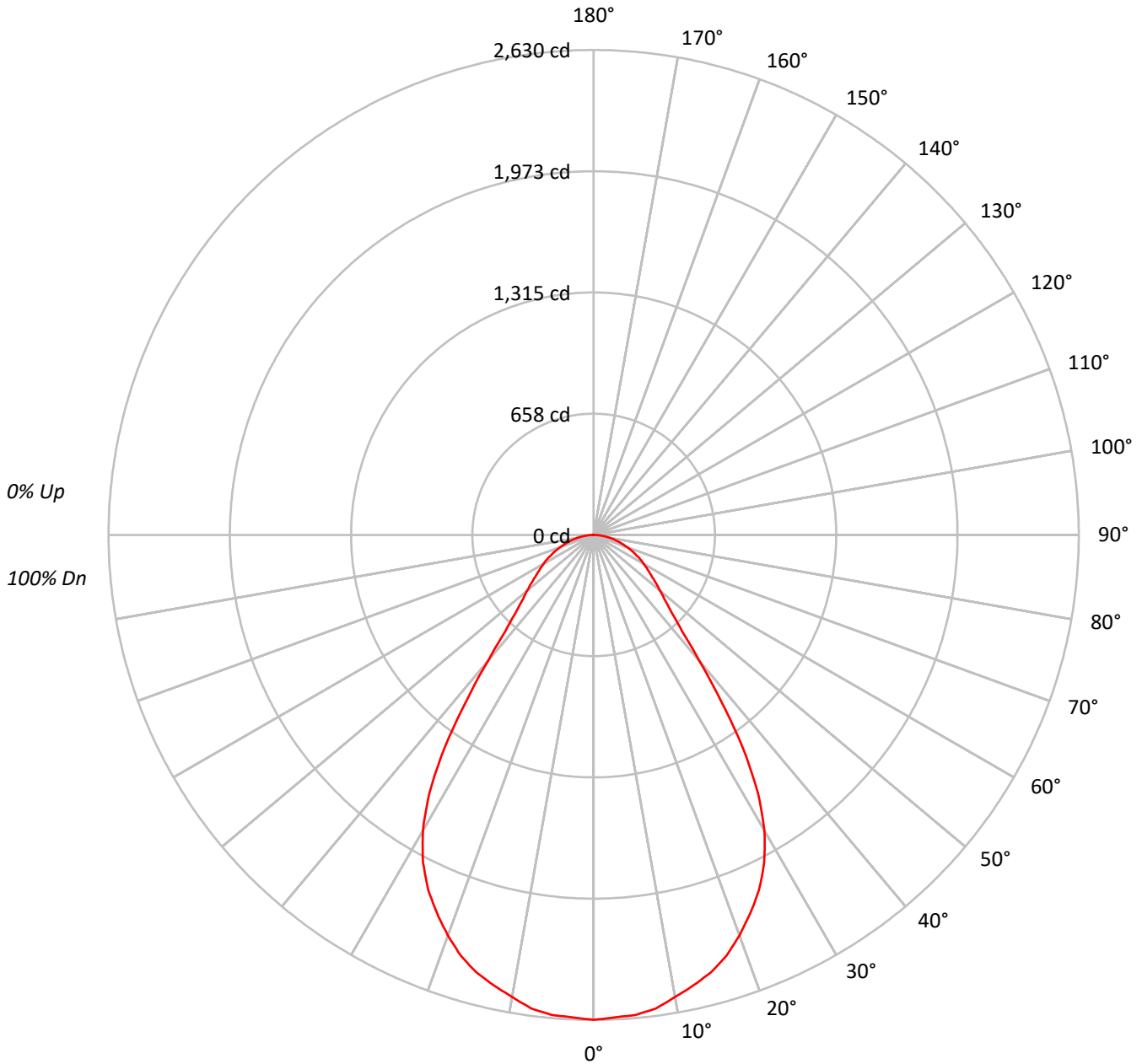
Lumens per Lamp: N/A
Luminaire Lumens: 4033.6 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 41
Input Voltage (V): NR
Input Current (A_{in}): 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: P582511
CATALOG NUMBER: HCC6S40D010MW-HM63040930-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582511
 CATALOG NUMBER: HCC6S40D010MW-HM63040930-61PSMDW

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88				
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78				
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69				
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62				
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56				
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51				
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46				
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43				
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39				
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144166
5°	143781
10°	141636
15°	139394
20°	134808
25°	128397
30°	117233
35°	94388
40°	63619
45°	46385
50°	40092
55°	36214
60°	34361
65°	32520
70°	30598
75°	28975
80°	26992
85°	25034



TEST NUMBER: P582511
 CATALOG NUMBER: HCC6S40D010MW-HM63040930-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	6.1
10°-20°	689.7	17.1
20°-30°	969.0	24.0
30°-40°	862.6	21.4
40°-50°	482.0	12.0
50°-60°	343.4	8.5
60°-70°	249.9	6.2
70°-80°	144.7	3.6
80°-90°	44.9	1.1
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°	1906.0	47.3
0°-40°	2768.6	68.6
0°-60°	3594.1	89.1
0°-90°	4033.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4033.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2630	
5°	2613	247
15°	2456	690
25°	2123	969
35°	1410	863
45°	598	482
55°	379	343
65°	251	250
75°	137	145
85°	40	45
90°	0	



TEST NUMBER: P582511
CATALOG NUMBER: HCC6S40D010MW-HM63040930-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2629.8
2.5°	2618.5
5°	2612.8
7.5°	2590.0
10°	2544.4
12.5°	2501.6
15°	2456.1
17.5°	2393.3
20°	2310.8
22.5°	2219.6
25°	2122.7
27.5°	2003.0
30°	1852.0
32.5°	1658.2
35°	1410.4
37.5°	1131.2
40°	889.0
42.5°	709.5
45°	598.3
47.5°	524.3
50°	470.1
52.5°	421.7
55°	378.9
57.5°	344.8
60°	313.4
62.5°	284.9
65°	250.7
67.5°	222.3
70°	190.9
72.5°	162.4
75°	136.8
77.5°	111.1
80°	85.5
82.5°	62.7
85°	39.8
87.5°	19.9
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)