

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: P582439

Luminaire Tested: **HCC6S40D010MB-HM63040830-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582439
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: HCC6S40D010MB-HM63040830-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

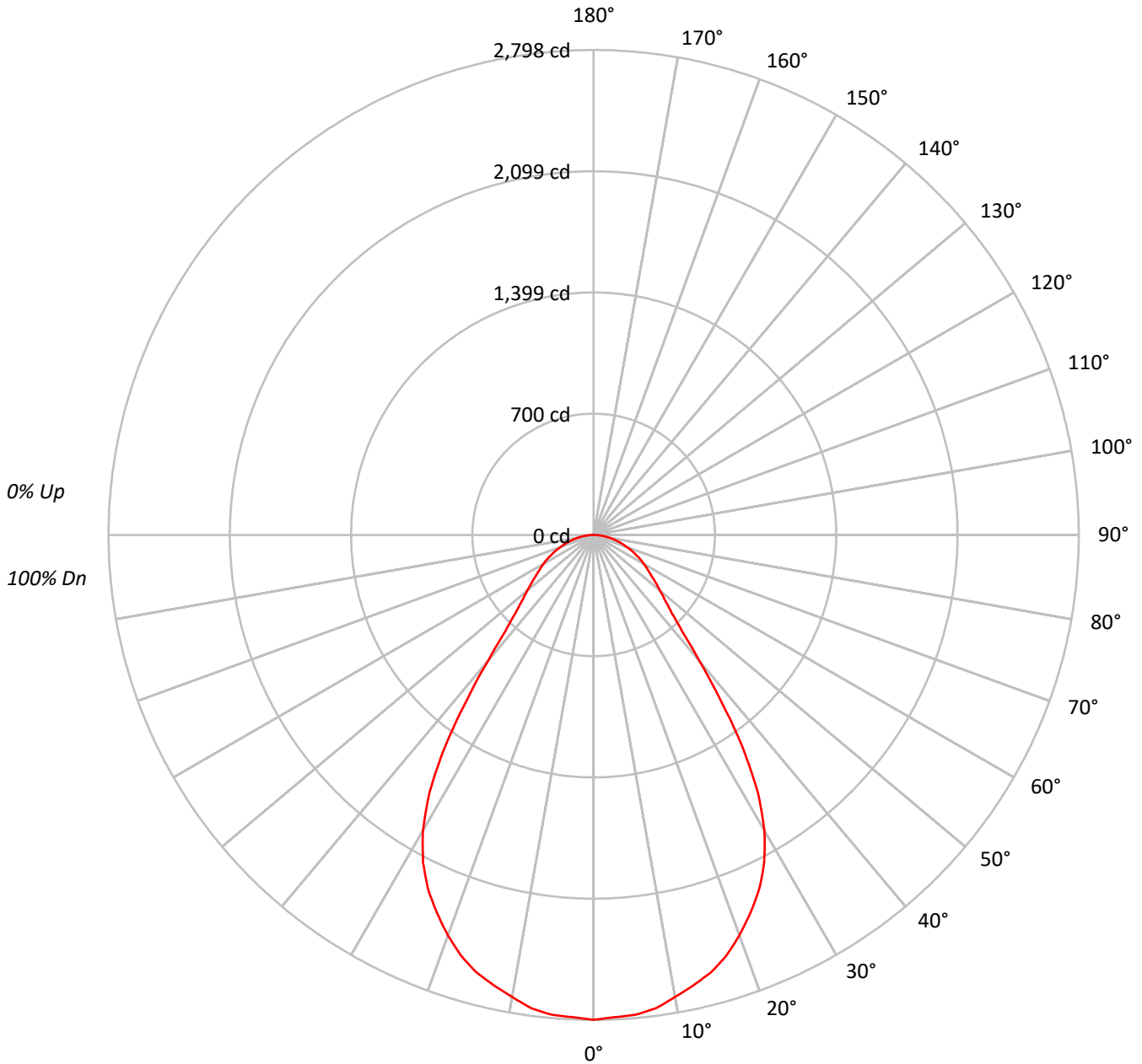
Lumens per Lamp: N/A
Luminaire Lumens: 4290.6 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P582439
CATALOG NUMBER: HCC6S40D010MB-HM63040830-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P582439
 CATALOG NUMBER: HCC6S40D010MB-HM63040830-61PSMDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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°	153359
5°	152944
10°	150665
15°	148270
20°	143396
25°	136580
30°	124709
35°	100398
40°	67670
45°	49338
50°	42643
55°	38527
60°	36554
65°	34595
70°	32554
75°	30818
80°	28697
85°	26732



TEST NUMBER: P582439
 CATALOG NUMBER: HCC6S40D010MB-HM63040830-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	6.1
10°-20°	733.7	17.1
20°-30°	1030.8	24.0
30°-40°	917.5	21.4
40°-50°	512.7	12.0
50°-60°	365.3	8.5
60°-70°	265.8	6.2
70°-80°	153.9	3.6
80°-90°	47.8	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°	2027.5	47.3
0°-40°	2945.0	68.6
0°-60°	3823.1	89.1
0°-90°	4290.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4290.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2798	
5°	2779	263
15°	2612	734
25°	2258	1031
35°	1500	918
45°	636	513
55°	403	365
65°	267	266
75°	146	154
85°	42	48
90°	0	



TEST NUMBER: P582439

CATALOG NUMBER: HCC6S40D010MB-HM63040830-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2797.5
2.5°	2785.3
5°	2779.3
7.5°	2755.0
10°	2706.6
12.5°	2661.1
15°	2612.5
17.5°	2545.9
20°	2458.0
22.5°	2361.0
25°	2258.0
27.5°	2130.7
30°	1970.1
32.5°	1763.9
35°	1500.2
37.5°	1203.2
40°	945.6
42.5°	754.7
45°	636.4
47.5°	557.7
50°	500.0
52.5°	448.6
55°	403.1
57.5°	366.7
60°	333.4
62.5°	303.1
65°	266.7
67.5°	236.4
70°	203.1
72.5°	172.8
75°	145.5
77.5°	118.2
80°	90.9
82.5°	66.7
85°	42.5
87.5°	21.2
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)