

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: P593274

Luminaire Tested: **HCC6S40D010MB-HM63040850-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S40D010MB-HM63040850-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

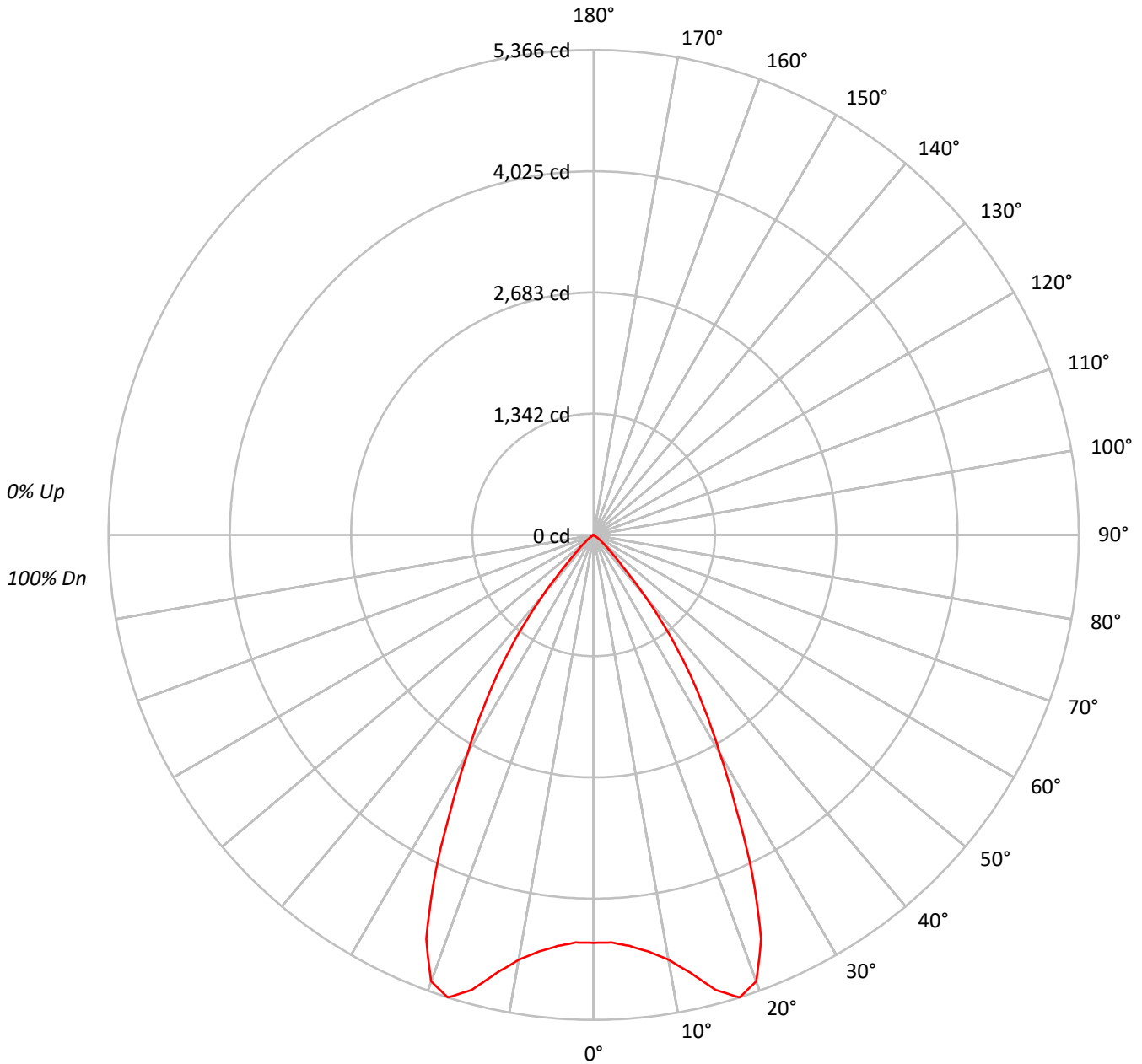
Lumens per Lamp: N/A
Luminaire Lumens: 5210.3 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593274
CATALOG NUMBER: HCC6S40D010MB-HM63040850-61MDC

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
 1121 Highway 74 South
 Peachtree City, GA 30269



TEST NUMBER: P593274

CATALOG NUMBER: HCC6S40D010MB-HM63040850-61MDC

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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	63	72	67	63	71	66	63	70	66	62	61			
8	79	70	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247425
5°	251276
10°	265587
15°	295722
20°	306679
25°	251621
30°	176312
35°	120288
40°	62660
45°	22026
50°	9867
55°	3164
60°	1809
65°	1284
70°	1058
75°	699
80°	0
85°	0



TEST NUMBER: P593274
 CATALOG NUMBER: HCC6S40D010MB-HM63040850-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.3	8.5
10°-20°	1465.4	28.1
20°-30°	1865.9	35.8
30°-40°	1112.0	21.3
40°-50°	269.7	5.2
50°-60°	41.4	0.8
60°-70°	10.2	0.2
70°-80°	3.5	0.1
80°-90°	0.0	0.0
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°	3773.6	72.4
0°-40°	4885.6	93.8
0°-60°	5196.7	99.7
0°-90°	5210.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5210.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4513	
5°	4566	442
15°	5211	1465
25°	4160	1866
35°	1797	1112
45°	284	270
55°	33	41
65°	10	10
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P593274
CATALOG NUMBER: HCC6S40D010MB-HM63040850-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	4513.4
2.5°	4513.4
5°	4566.2
7.5°	4648.8
10°	4771.1
12.5°	4962.7
15°	5210.6
17.5°	5365.8
20°	5256.9
22.5°	4837.2
25°	4159.9
27.5°	3413.2
30°	2785.3
32.5°	2276.6
35°	1797.4
37.5°	1324.9
40°	875.6
42.5°	472.5
45°	284.1
47.5°	178.5
50°	115.7
52.5°	69.4
55°	33.1
57.5°	19.8
60°	16.5
62.5°	13.2
65°	9.9
67.5°	6.6
70°	6.6
72.5°	3.3
75°	3.3
77.5°	3.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)