

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: P593296

Luminaire Tested: **HCC6S40D010MB-HM63040950-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6S40D010MB-HM63040950-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

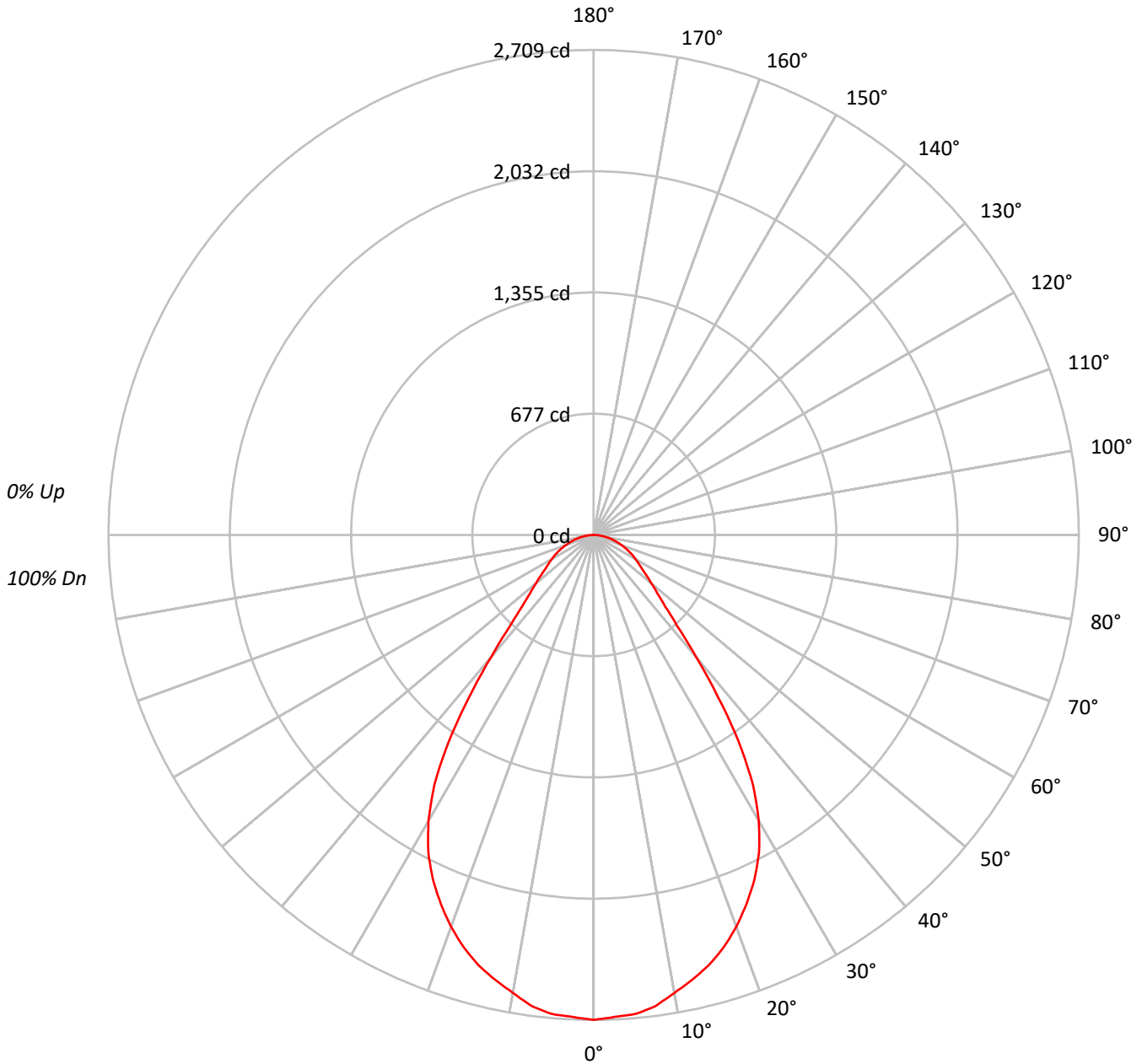
Lumens per Lamp: N/A
Luminaire Lumens: 3921.2 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P593296
CATALOG NUMBER: HCC6S40D010MB-HM63040950-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P593296

CATALOG NUMBER: HCC6S40D010MB-HM63040950-61NDW

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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148519
5°	147815
10°	144553
15°	141159
20°	135858
25°	128481
30°	116765
35°	94515
40°	63734
45°	43795
50°	35888
55°	31406
60°	29702
65°	28045
70°	26335
75°	25036
80°	22730
85°	19939



TEST NUMBER: P593296
 CATALOG NUMBER: HCC6S40D010MB-HM63040950-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.6	6.5
10°-20°	698.5	17.8
20°-30°	970.4	24.7
30°-40°	864.0	22.0
40°-50°	458.7	11.7
50°-60°	300.0	7.6
60°-70°	214.9	5.5
70°-80°	124.7	3.2
80°-90°	36.4	0.9
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°	1922.5	49.0
0°-40°	2786.5	71.1
0°-60°	3545.2	90.4
0°-90°	3921.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3921.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2709	
5°	2686	254
15°	2487	698
25°	2124	970
35°	1412	864
45°	565	459
55°	329	300
65°	216	215
75°	118	125
85°	32	36
90°	0	



TEST NUMBER: P593296
CATALOG NUMBER: HCC6S40D010MB-HM63040950-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2709.2
2.5°	2694.8
5°	2686.1
7.5°	2654.5
10°	2596.8
12.5°	2544.9
15°	2487.2
17.5°	2415.2
20°	2328.8
22.5°	2230.8
25°	2124.1
27.5°	2000.3
30°	1844.6
32.5°	1657.2
35°	1412.3
37.5°	1141.3
40°	890.6
42.5°	691.7
45°	564.9
47.5°	481.3
50°	420.8
52.5°	371.8
55°	328.6
57.5°	296.9
60°	270.9
62.5°	244.9
65°	216.2
67.5°	190.2
70°	164.3
72.5°	141.3
75°	118.2
77.5°	95.1
80°	72.0
82.5°	51.8
85°	31.7
87.5°	14.4
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)