

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: P592791

Luminaire Tested: **HCC4S35D010BZ-HM43040950-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P592791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S35D010BZ-HM43040950-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

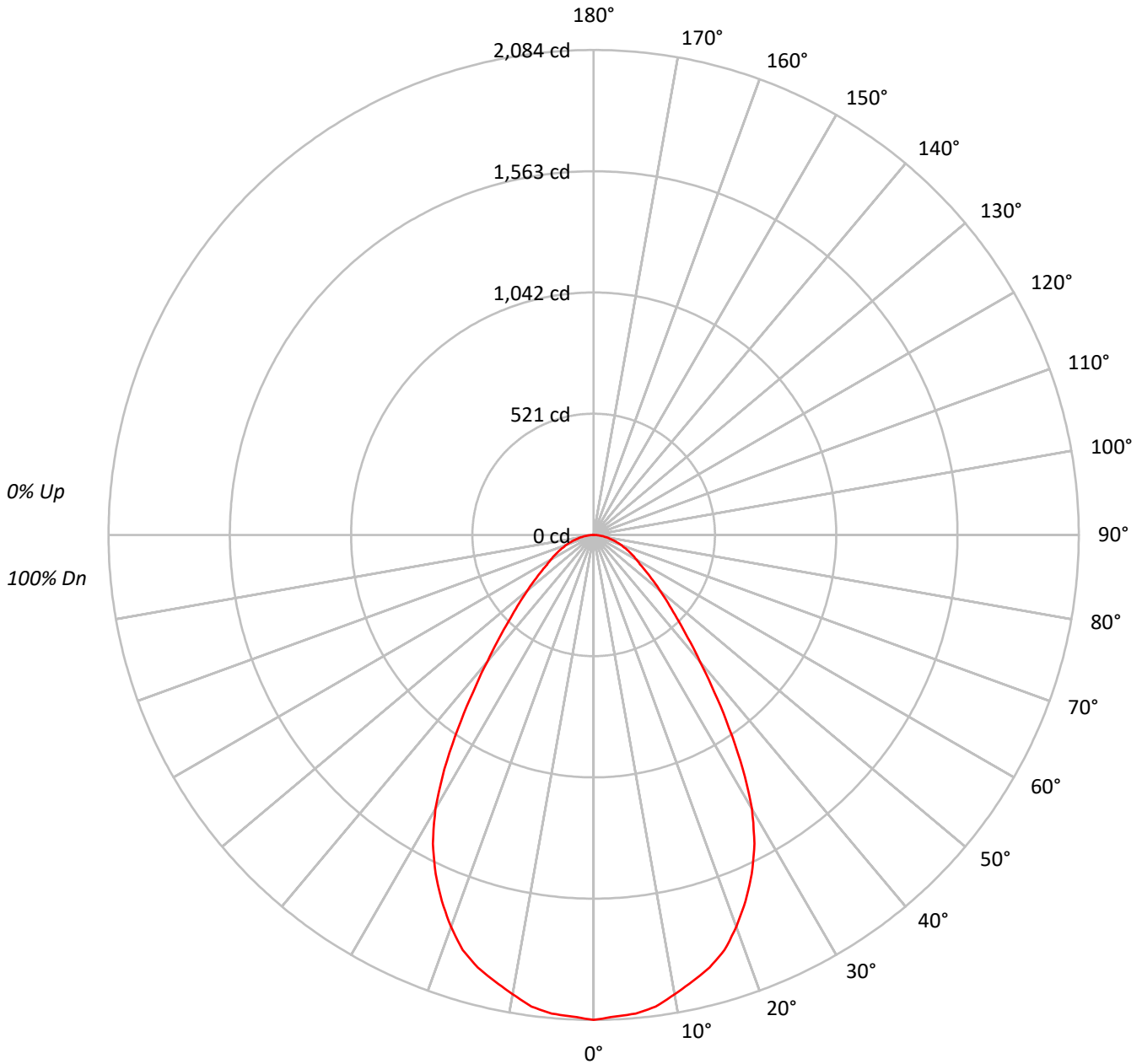
Lumens per Lamp: N/A
Luminaire Lumens: 3032.1 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
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: P592791
CATALOG NUMBER: HCC4S35D010BZ-HM43040950-41MDW

Luminous Intensity Polar Plot



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



TEST NUMBER: P592791

CATALOG NUMBER: HCC4S35D010BZ-HM43040950-41MDW

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	97	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44			44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	257052
5°	255694
10°	251023
15°	245740
20°	235221
25°	218721
30°	193601
35°	152791
40°	114338
45°	87951
50°	71345
55°	59181
60°	52348
65°	48449
70°	44719
75°	41033
80°	37292
85°	29720



TEST NUMBER: P592791
 CATALOG NUMBER: HCC4S35D010BZ-HM43040950-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	6.4
10°-20°	539.7	17.8
20°-30°	732.8	24.2
30°-40°	634.8	20.9
40°-50°	398.5	13.1
50°-60°	250.7	8.3
60°-70°	164.7	5.4
70°-80°	90.8	3.0
80°-90°	24.8	0.8
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°	1467.7	48.4
0°-40°	2102.4	69.3
0°-60°	2751.6	90.8
0°-90°	3032.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3032.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2084	
5°	2065	195
15°	1924	540
25°	1607	733
35°	1015	635
45°	504	399
55°	275	251
65°	166	165
75°	86	91
85°	21	25
90°	0	



TEST NUMBER: P592791
CATALOG NUMBER: HCC4S35D010BZ-HM43040950-41MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2084.0
2.5°	2071.4
5°	2065.1
7.5°	2044.1
10°	2004.2
12.5°	1964.3
15°	1924.4
17.5°	1869.8
20°	1792.0
22.5°	1703.8
25°	1607.1
27.5°	1495.8
30°	1359.3
32.5°	1193.2
35°	1014.7
37.5°	850.9
40°	710.1
42.5°	598.8
45°	504.2
47.5°	432.7
50°	371.8
52.5°	319.3
55°	275.2
57.5°	237.4
60°	212.2
62.5°	189.1
65°	166.0
67.5°	142.9
70°	124.0
72.5°	103.0
75°	86.1
77.5°	67.2
80°	52.5
82.5°	35.7
85°	21.0
87.5°	8.4
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)