

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: P579775

Luminaire Tested: **HCC4S10D010BZ-HM40525930-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S10D010BZ-HM40525930-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

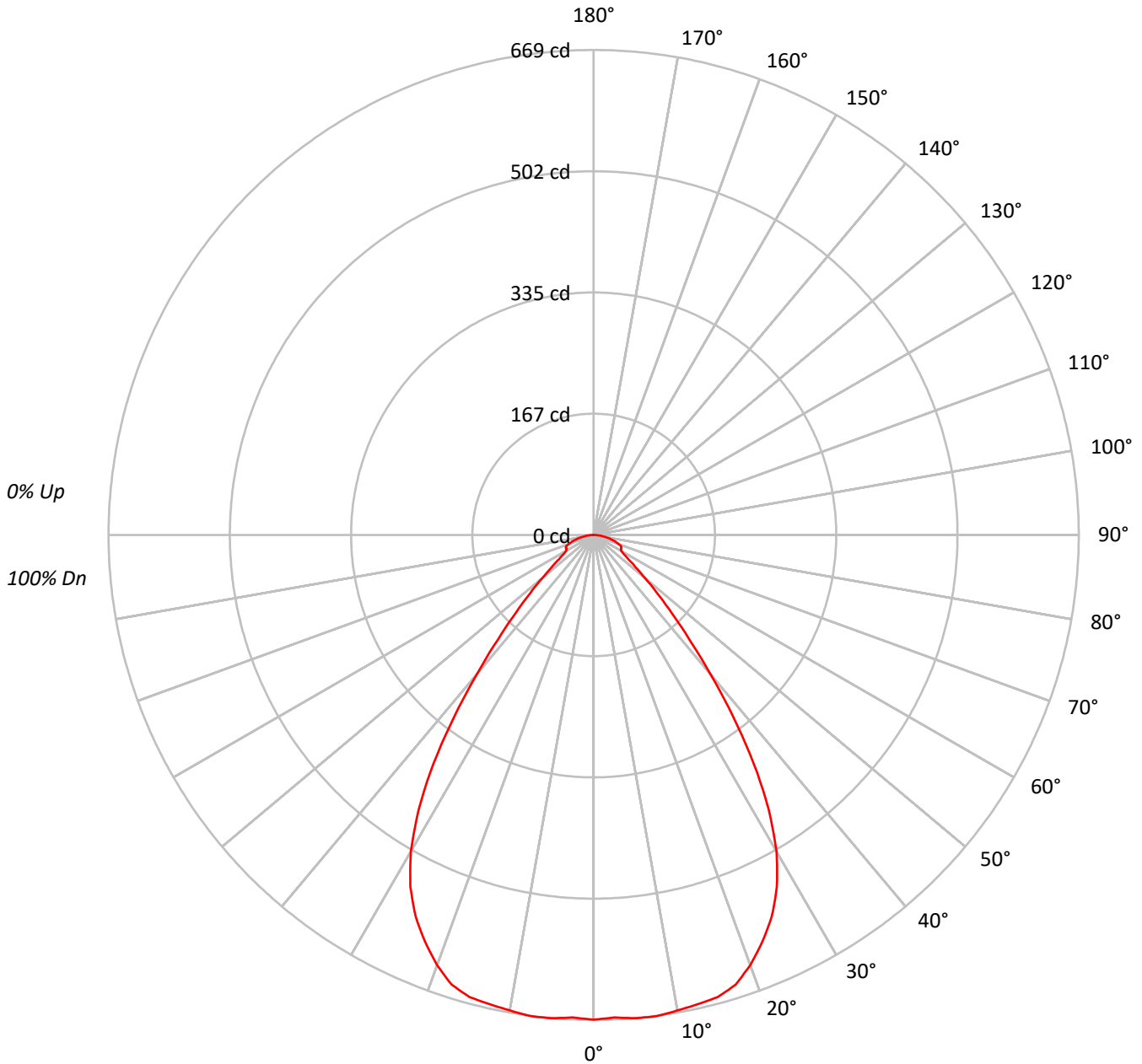
Lumens per Lamp: N/A
Luminaire Lumens: 1004.8 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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: P579775
CATALOG NUMBER: HCC4S10D010BZ-HM40525930-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P579775
 CATALOG NUMBER: HCC4S10D010BZ-HM40525930-41WDWB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	108	105	102	109	106	103	100	102	99	97		98	96	94		94	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86		90	87	84		87	84	82	80
3	98	89	83	78	95	88	82	78	85	80	76		83	78	75		80	77	74	72
4	91	82	75	70	89	81	74	69	78	73	69		76	72	68		74	70	67	65
5	86	75	68	63	84	74	68	63	72	67	62		71	65	61		69	64	61	59
6	80	70	62	57	79	69	62	57	67	61	57		66	60	56		64	59	56	54
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60	55	51	49
8	71	60	53	48	70	59	53	48	58	52	48		57	51	47		56	51	47	46
9	67	56	49	44	66	55	49	44	54	48	44		53	48	44		52	47	44	42
10	64	52	46	41	62	52	45	41	51	45	41		50	45	41		49	44	41	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82481
5°	82883
10°	83441
15°	84280
20°	82879
25°	79059
30°	71840
35°	57942
40°	40206
45°	26410
50°	17692
55°	12580
60°	10756
65°	12346
70°	13271
75°	12724
80°	11507
85°	10614



TEST NUMBER: P579775
 CATALOG NUMBER: HCC4S10D010BZ-HM40525930-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	6.3
10°-20°	185.4	18.5
20°-30°	264.9	26.4
30°-40°	236.6	23.6
40°-50°	121.4	12.1
50°-60°	55.2	5.5
60°-70°	41.1	4.1
70°-80°	28.0	2.8
80°-90°	8.3	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°	514.1	51.2
0°-40°	750.7	74.7
0°-60°	927.4	92.3
0°-90°	1004.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	669	
5°	669	64
15°	660	185
25°	581	265
35°	385	237
45°	151	121
55°	58	55
65°	42	41
75°	27	28
85°	8	8
90°	0	



TEST NUMBER: P579775
CATALOG NUMBER: HCC4S10D010BZ-HM40525930-41WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	668.7
2.5°	666.2
5°	669.4
7.5°	669.4
10°	666.2
12.5°	663.1
15°	660.0
17.5°	650.7
20°	631.4
22.5°	607.7
25°	580.9
27.5°	547.3
30°	504.4
32.5°	449.5
35°	384.8
37.5°	315.7
40°	249.7
42.5°	194.9
45°	151.4
47.5°	118.4
50°	92.2
52.5°	72.3
55°	58.5
57.5°	49.2
60°	43.6
62.5°	42.3
65°	42.3
67.5°	41.1
70°	36.8
72.5°	31.8
75°	26.7
77.5°	21.2
80°	16.2
82.5°	11.8
85°	7.5
87.5°	3.1
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)