

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: P579927

Luminaire Tested: **HCC4W15D010SL-HM40525930-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579927
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: HCC4W15D010SL-HM40525930-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

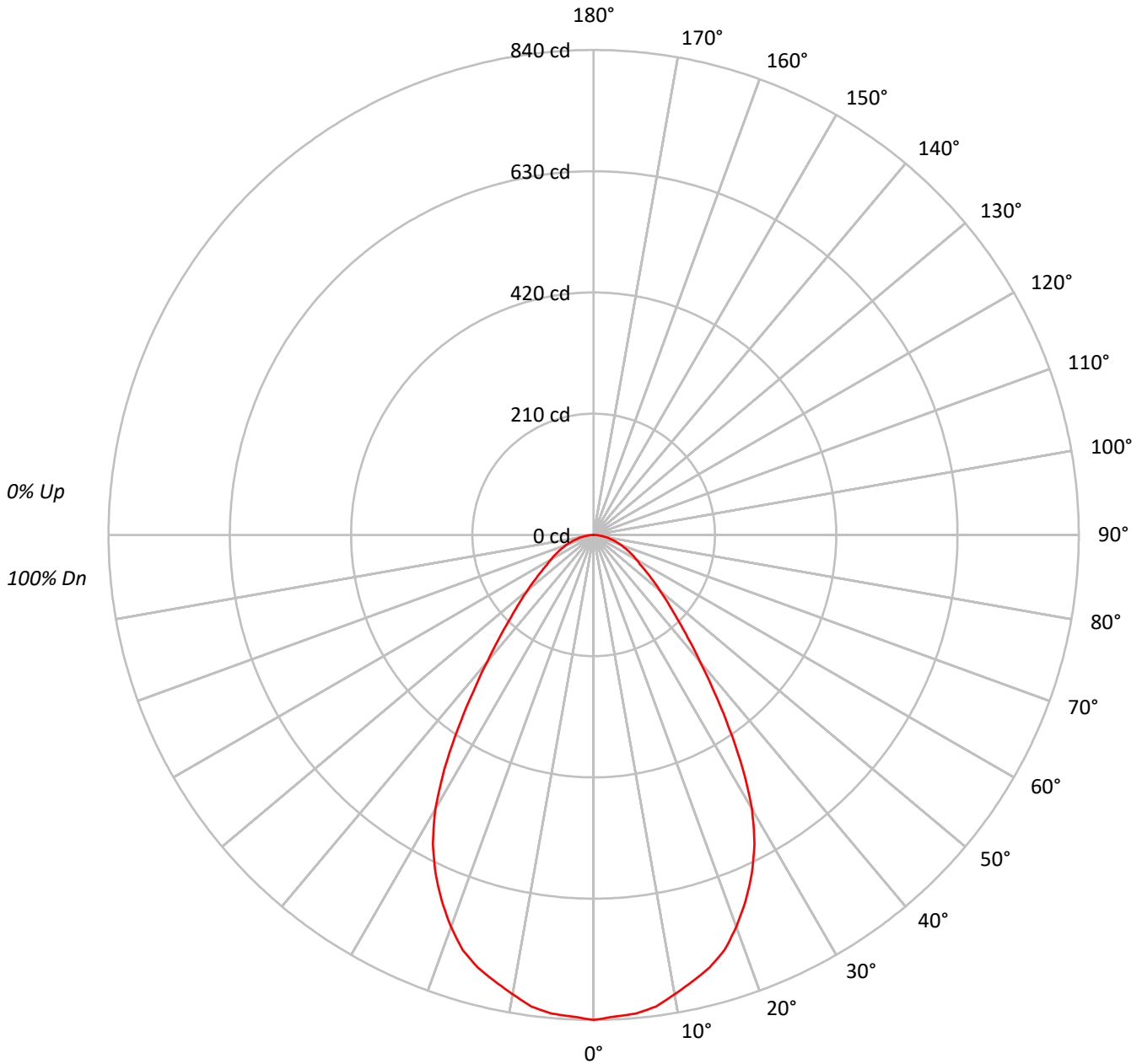
Lumens per Lamp: N/A
Luminaire Lumens: 1222.1 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P579927
CATALOG NUMBER: HCC4W15D010SL-HM40525930-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P579927
 CATALOG NUMBER: HCC4W15D010SL-HM40525930-41MDW

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	58	51	46	56	50	46	55	50	45	54	49	45	44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103610
5°	103065
10°	101176
15°	99054
20°	94810
25°	88177
30°	78036
35°	61586
40°	46083
45°	35446
50°	28765
55°	23870
60°	21092
65°	19525
70°	17996
75°	16537
80°	14988
85°	11888



TEST NUMBER: P579927
 CATALOG NUMBER: HCC4W15D010SL-HM40525930-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	6.4
10°-20°	217.5	17.8
20°-30°	295.4	24.2
30°-40°	255.8	20.9
40°-50°	160.6	13.1
50°-60°	101.1	8.3
60°-70°	66.4	5.4
70°-80°	36.6	3.0
80°-90°	10.0	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°	591.6	48.4
0°-40°	847.5	69.3
0°-60°	1109.2	90.8
0°-90°	1222.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1222.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	840	
5°	832	79
15°	776	218
25°	648	295
35°	409	256
45°	203	161
55°	111	101
65°	67	66
75°	35	37
85°	8	10
90°	0	



TEST NUMBER: P579927
CATALOG NUMBER: HCC4W15D010SL-HM40525930-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	840.0
2.5°	835.0
5°	832.4
7.5°	824.0
10°	807.8
12.5°	791.8
15°	775.7
17.5°	753.7
20°	722.3
22.5°	686.7
25°	647.9
27.5°	603.0
30°	547.9
32.5°	481.0
35°	409.0
37.5°	342.9
40°	286.2
42.5°	241.4
45°	203.2
47.5°	174.4
50°	149.9
52.5°	128.7
55°	111.0
57.5°	95.7
60°	85.5
62.5°	76.2
65°	66.9
67.5°	57.5
70°	49.9
72.5°	41.5
75°	34.7
77.5°	27.1
80°	21.1
82.5°	14.4
85°	8.4
87.5°	3.4
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)