

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: P579837

Luminaire Tested: **HCC4W15D010MW-HM40525827-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P579837
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: HCC4W15D010MW-HM40525827-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

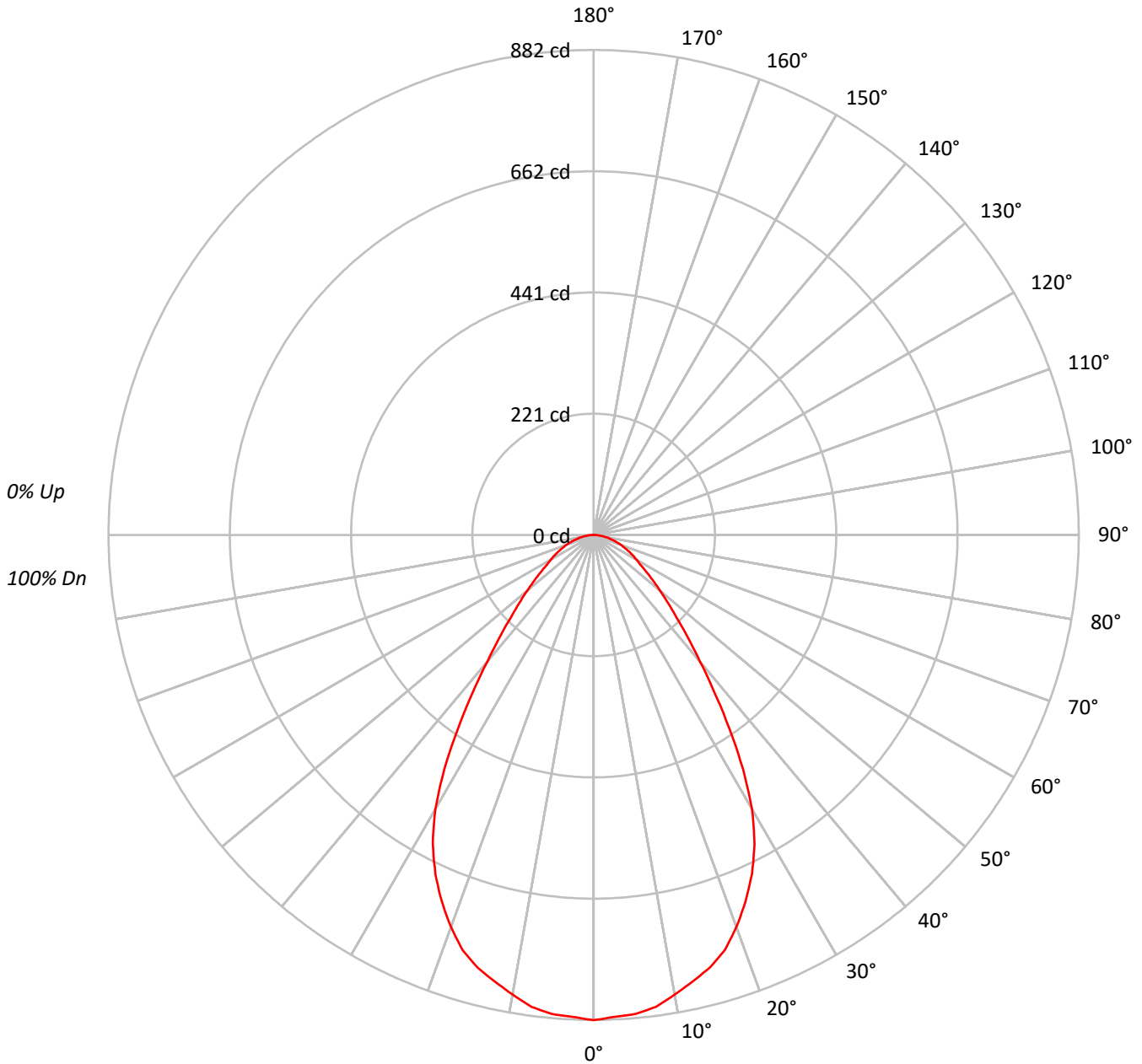
Lumens per Lamp: N/A
Luminaire Lumens: 1283.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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: P579837
CATALOG NUMBER: HCC4W15D010MW-HM40525827-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P579837
 CATALOG NUMBER: HCC4W15D010MW-HM40525827-41MDW

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°	108853
5°	108290
10°	106311
15°	104060
20°	99601
25°	92628
30°	81995
35°	64703
40°	48418
45°	37242
50°	30223
55°	25053
60°	22153
65°	20518
70°	18934
75°	17395
80°	15840
85°	12596



TEST NUMBER: P579837
 CATALOG NUMBER: HCC4W15D010MW-HM40525827-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	6.4
10°-20°	228.5	17.8
20°-30°	310.3	24.2
30°-40°	268.8	20.9
40°-50°	168.8	13.1
50°-60°	106.1	8.3
60°-70°	69.7	5.4
70°-80°	38.4	3.0
80°-90°	10.5	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°	621.5	48.4
0°-40°	890.3	69.3
0°-60°	1165.2	90.8
0°-90°	1283.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1283.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	882	
5°	875	83
15°	815	229
25°	681	310
35°	430	269
45°	214	169
55°	116	106
65°	70	70
75°	36	38
85°	9	11
90°	0	



TEST NUMBER: P579837
CATALOG NUMBER: HCC4W15D010MW-HM40525827-41MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	882.5
2.5°	877.2
5°	874.6
7.5°	865.6
10°	848.8
12.5°	831.8
15°	814.9
17.5°	791.8
20°	758.8
22.5°	721.5
25°	680.6
27.5°	633.4
30°	575.7
32.5°	505.3
35°	429.7
37.5°	360.3
40°	300.7
42.5°	253.6
45°	213.5
47.5°	183.3
50°	157.5
52.5°	135.2
55°	116.5
57.5°	100.5
60°	89.8
62.5°	80.0
65°	70.3
67.5°	60.5
70°	52.5
72.5°	43.5
75°	36.5
77.5°	28.4
80°	22.3
82.5°	15.1
85°	8.9
87.5°	3.5
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)