

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: P581524

Luminaire Tested: **HCC4W07D010SL-HM40525935-41MDW**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581524
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: HCC4W07D010SL-HM40525935-41MDW
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

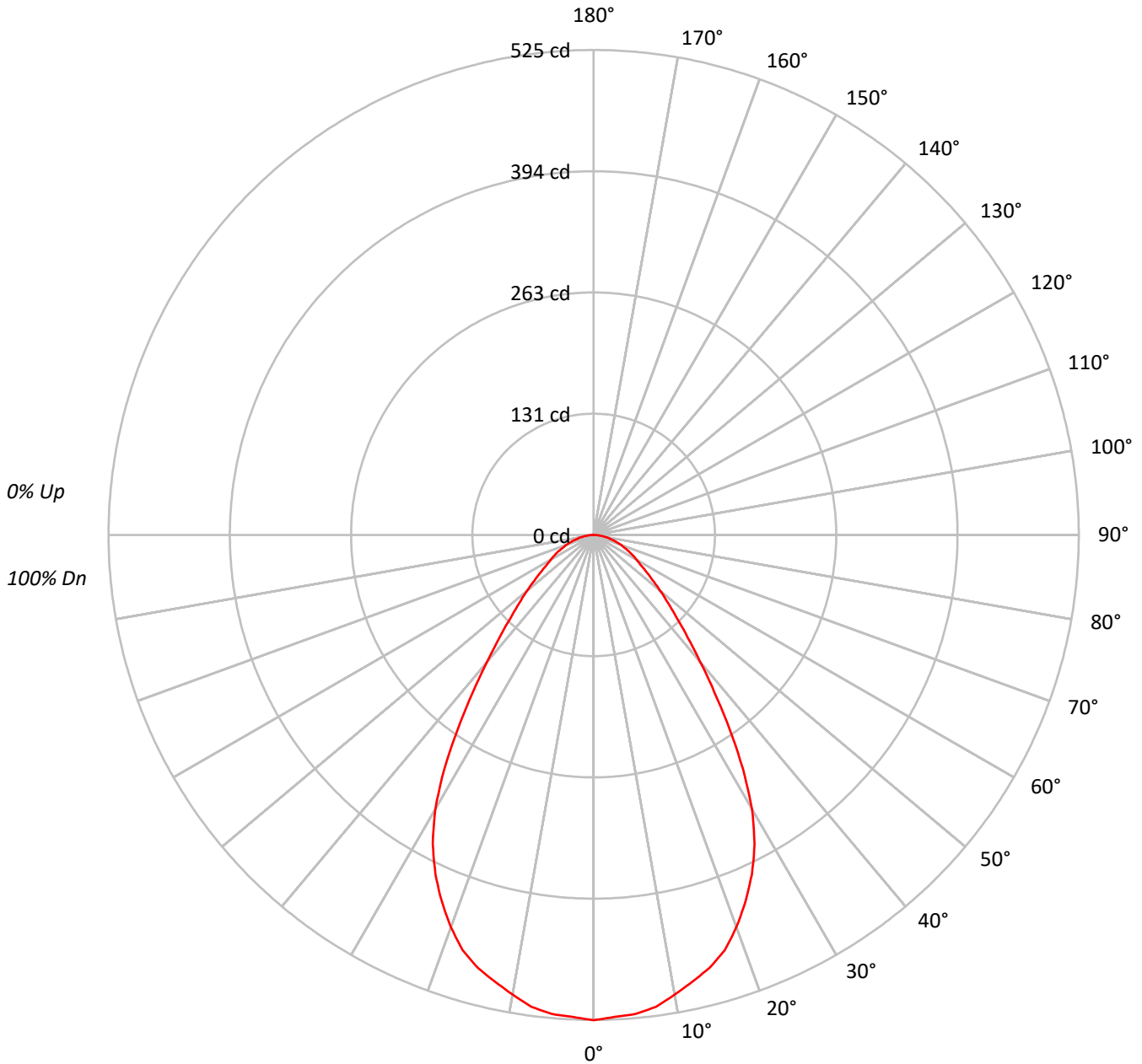
Lumens per Lamp: N/A
Luminaire Lumens: 764.4 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.04 / 1.04 / 1.01
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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: P581524
CATALOG NUMBER: HCC4W07D010SL-HM40525935-41MDW

Luminous Intensity Polar Plot





TEST NUMBER: P581524

CATALOG NUMBER: HCC4W07D010SL-HM40525935-41MDW

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°	64806
5°	64459
10°	63288
15°	61946
20°	59304
25°	55133
30°	48810
35°	38518
40°	28822
45°	22171
50°	17999
55°	14924
60°	13198
65°	12229
70°	11288
75°	10342
80°	9376
85°	7501



TEST NUMBER: P581524
 CATALOG NUMBER: HCC4W07D010SL-HM40525935-41MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.2	6.4
10°-20°	136.0	17.8
20°-30°	184.7	24.2
30°-40°	160.0	20.9
40°-50°	100.5	13.1
50°-60°	63.2	8.3
60°-70°	41.5	5.4
70°-80°	22.9	3.0
80°-90°	6.3	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°	370.0	48.4
0°-40°	530.0	69.3
0°-60°	693.7	90.7
0°-90°	764.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	764.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	525	
5°	521	49
15°	485	136
25°	405	185
35°	256	160
45°	127	100
55°	69	63
65°	42	42
75°	22	23
85°	5	6
90°	0	



TEST NUMBER: P581524
CATALOG NUMBER: HCC4W07D010SL-HM40525935-41MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	525.4
2.5°	522.2
5°	520.6
7.5°	515.3
10°	505.3
12.5°	495.1
15°	485.1
17.5°	471.4
20°	451.8
22.5°	429.5
25°	405.1
27.5°	377.1
30°	342.7
32.5°	300.8
35°	255.8
37.5°	214.5
40°	179.0
42.5°	150.9
45°	127.1
47.5°	109.1
50°	93.8
52.5°	80.5
55°	69.4
57.5°	59.9
60°	53.5
62.5°	47.7
65°	41.9
67.5°	36.0
70°	31.3
72.5°	25.9
75°	21.7
77.5°	17.0
80°	13.2
82.5°	9.0
85°	5.3
87.5°	2.2
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)