

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: P581499

Luminaire Tested: **HCC4W07D010SL-HM40525930-41MDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W07D010SL-HM40525930-41MDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 738.7 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.9 / 0.91
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

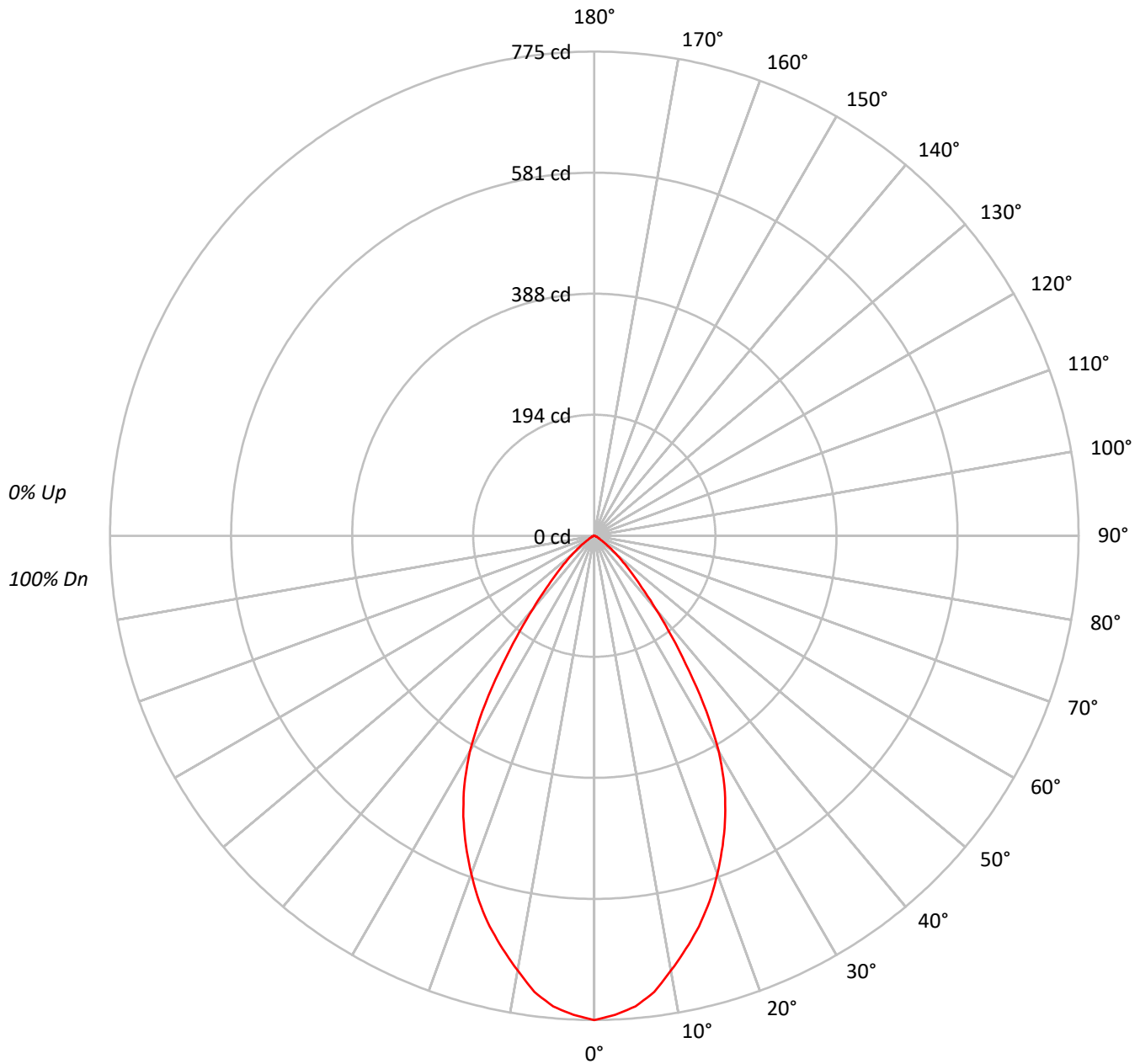
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581499

CATALOG NUMBER: HCC4W07D010SL-HM40525930-41MDH

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P581499

CATALOG NUMBER: HCC4W07D010SL-HM40525930-41MDH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105	111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	94	105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	95	89	85	99	93	88	84		91	86	83		88	85	82		86	83	81
4	96	88	82	78	94	87	81	77		85	80	76		82	79	75		81	77	74
5	91	82	76	71	89	81	75	71		79	74	70		77	73	70		76	72	69
6	86	76	70	66	84	76	70	65		74	69	65		73	68	64		71	67	64
7	81	71	65	61	80	71	65	61		69	64	60		68	63	60		67	63	60
8	77	67	61	56	76	66	60	56		65	60	56		64	59	56		63	59	56
9	73	63	57	53	72	63	57	53		62	56	52		61	56	52		60	55	52
10	70	59	53	49	69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95630
5°	93630
10°	88488
15°	82645
20°	75580
25°	67490
30°	56686
35°	39873
40°	24587
45°	14722
50°	8674
55°	4322
60°	2220
65°	1459
70°	902
75°	715
80°	355
85°	708



TEST NUMBER: P581499

CATALOG NUMBER: HCC4W07D010SL-HM40525930-41MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	9.6
10°-20°	180.9	24.5
20°-30°	225.6	30.5
30°-40°	166.2	22.5
40°-50°	68.3	9.3
50°-60°	20.0	2.7
60°-70°	5.1	0.7
70°-80°	1.6	0.2
80°-90°	0.3	0.0
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°	477.2	64.6
0°-40°	643.3	87.1
0°-60°	731.7	99.0
0°-90°	738.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	775	
5°	756	71
15°	647	181
25°	496	226
35°	265	166
45°	84	68
55°	20	20
65°	5	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P581499

CATALOG NUMBER: HCC4W07D010SL-HM40525930-41MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	775.3
2.5°	767.4
5°	756.2
7.5°	736.2
10°	706.5
12.5°	677.3
15°	647.2
17.5°	613.5
20°	575.8
22.5°	536.7
25°	495.9
27.5°	450.8
30°	398.0
32.5°	334.1
35°	264.8
37.5°	203.5
40°	152.7
42.5°	113.0
45°	84.4
47.5°	62.4
50°	45.2
52.5°	31.2
55°	20.1
57.5°	12.1
60°	9.0
62.5°	6.5
65°	5.0
67.5°	3.5
70°	2.5
72.5°	2.0
75°	1.5
77.5°	1.0
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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)