

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: P581503

Luminaire Tested: **HCC4W07D010MW-HM40525930-41MDC**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4W07D010MW-HM40525930-41MDC
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 775.9 lumens
Efficiency: N/A
Efficacy: 97.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 0.96
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

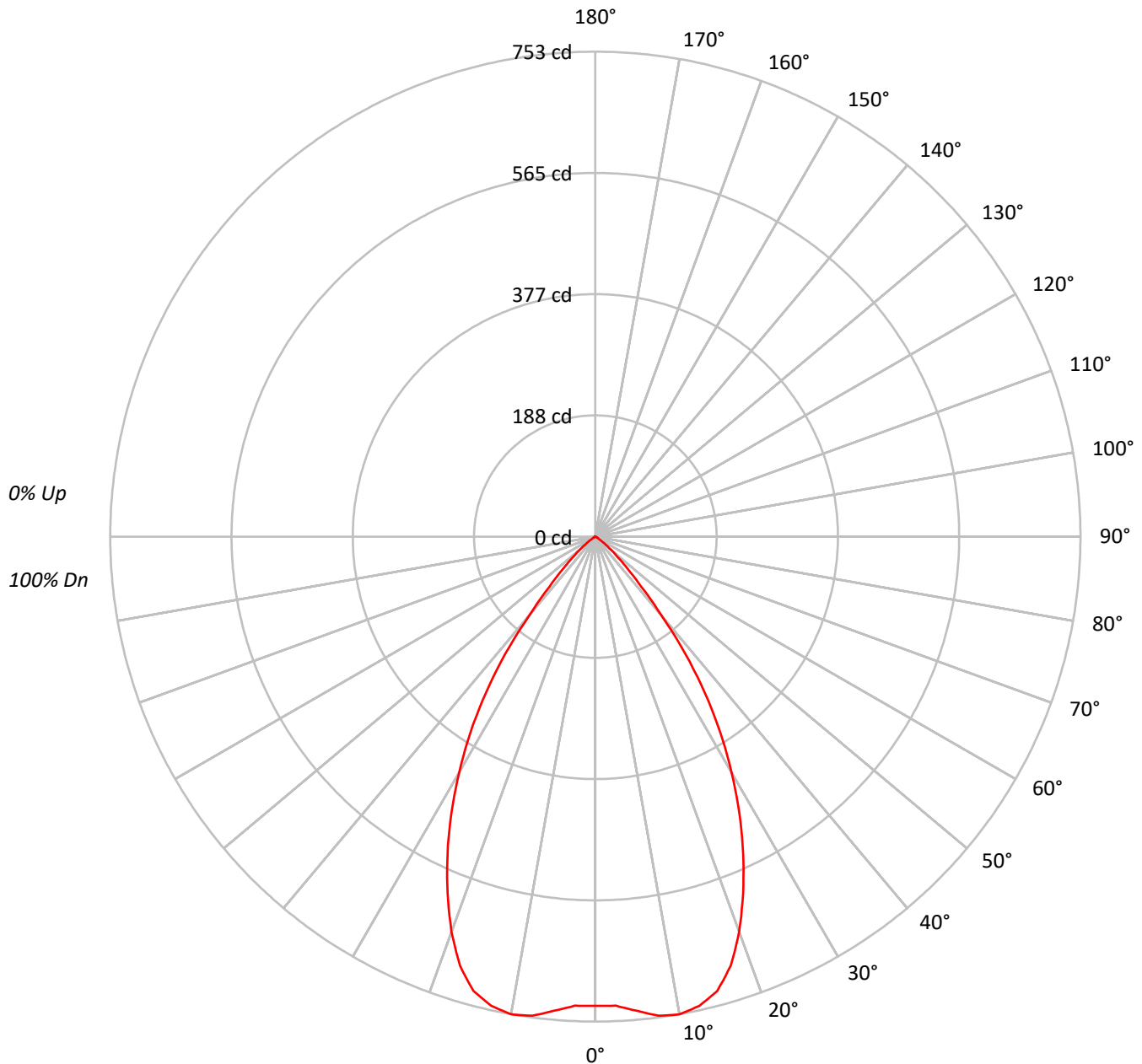
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			100
1	113	111	108	106		111	108	106	104		104	103	101			101	99	98			93
2	108	103	98	95		105	101	97	94		98	95	92			95	92	90			86
3	102	95	90	86		100	94	89	86		91	87	84			89	86	83			80
4	97	89	83	79		95	88	82	78		86	81	77			84	80	77			74
5	91	83	77	72		90	82	76	72		80	75	72			78	74	71			69
6	87	78	71	67		85	77	71	67		75	70	66			74	69	66			64
7	82	73	66	62		81	72	66	62		71	65	62			69	65	61			60
8	78	68	62	58		77	68	62	58		67	61	57			65	61	57			56
9	74	64	58	54		73	64	58	54		63	57	54			62	57	54			52
10	70	61	55	51		69	60	54	51		59	54	50			58	54	50			49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89882
5°	91525
10°	94337
15°	93295
20°	85688
25°	73914
30°	60232
35°	44601
40°	25585
45°	12368
50°	5891
55°	2064
60°	765
65°	438
70°	361
75°	238
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	9.2
10°-20°	202.6	26.1
20°-30°	247.4	31.9
30°-40°	181.8	23.4
40°-50°	60.3	7.8
50°-60°	10.7	1.4
60°-70°	1.6	0.2
70°-80°	0.5	0.1
80°-90°	0.0	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°	521.0	67.1
0°-40°	702.9	90.6
0°-60°	773.8	99.7
0°-90°	775.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	775.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	729	
5°	739	71
15°	731	203
25°	543	247
35°	296	182
45°	71	60
55°	10	11
65°	2	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	728.7
2.5°	729.1
5°	739.2
7.5°	750.3
10°	753.2
12.5°	746.2
15°	730.6
17.5°	698.5
20°	652.8
22.5°	599.4
25°	543.1
27.5°	484.2
30°	422.9
32.5°	361.5
35°	296.2
37.5°	229.8
40°	158.9
42.5°	105.2
45°	70.9
47.5°	47.2
50°	30.7
52.5°	18.1
55°	9.6
57.5°	4.0
60°	3.1
62.5°	2.0
65°	1.5
67.5°	1.0
70°	1.0
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.0
82.5°	0.0
85°	0.0
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

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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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Scaled Data Report



(END OF REPORT)