

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: P581501

Luminaire Tested: **HCC4S07D010MB-HM40525930-41WDH**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P581501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S07D010MB-HM40525930-41WDH
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE 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: 802.6 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.11
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

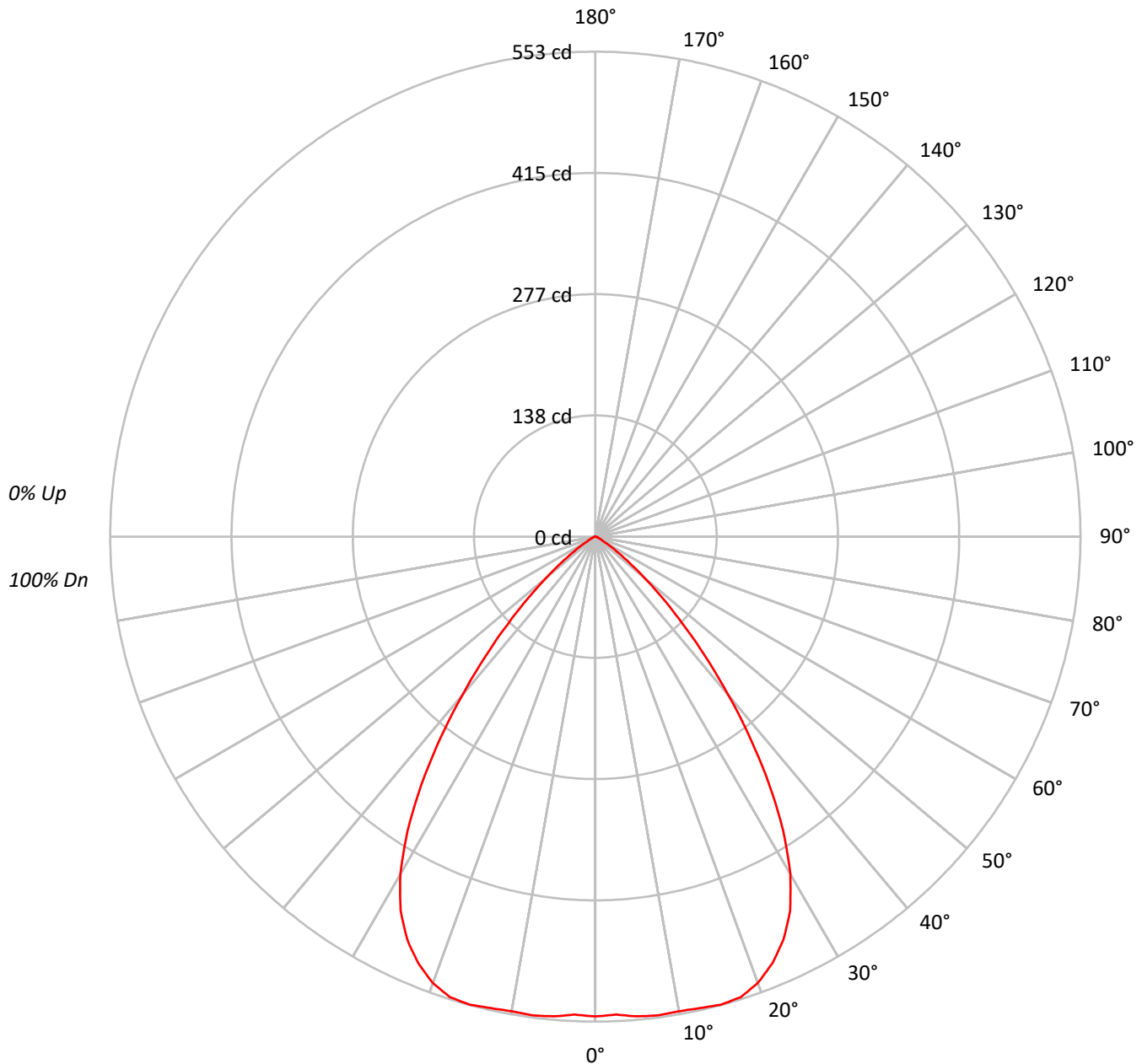
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	104		110	108	105	103		103	101	100			100	98	97			92
2	106	101	96	92		104	99	95	91		96	92	89			93	90	87			84
3	100	93	87	82		98	91	86	82		88	84	80			86	82	79			76
4	94	85	79	74		92	84	78	74		82	77	73			80	75	72			69
5	88	79	72	67		86	78	72	67		76	70	66			74	69	66			63
6	83	73	66	61		81	72	66	61		70	65	61			69	64	60			58
7	78	68	61	56		77	67	60	56		65	60	55			64	59	55			53
8	74	63	56	51		72	62	56	51		61	55	51			60	55	51			49
9	69	59	52	47		68	58	52	47		57	51	47			56	51	47			45
10	66	55	48	44		65	54	48	44		53	48	44			53	47	44			42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67470
5°	67988
10°	68824
15°	70565
20°	71091
25°	69042
30°	63309
35°	52100
40°	37968
45°	24648
50°	13893
55°	6602
60°	2615
65°	1634
70°	1118
75°	715
80°	355
85°	708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.4	6.5
10°-20°	155.8	19.4
20°-30°	231.1	28.8
30°-40°	213.4	26.6
40°-50°	111.4	13.9
50°-60°	30.6	3.8
60°-70°	5.9	0.7
70°-80°	1.7	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°	439.3	54.7
0°-40°	652.7	81.3
0°-60°	794.7	99.0
0°-90°	802.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	802.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	547	
5°	549	52
15°	553	156
25°	507	231
35°	346	213
45°	141	111
55°	31	31
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	547.0
2.5°	545.6
5°	549.1
7.5°	550.6
10°	549.5
12.5°	550.6
15°	552.6
17.5°	550.6
20°	541.6
22.5°	526.9
25°	507.3
27.5°	480.7
30°	444.5
32.5°	398.8
35°	346.0
37.5°	290.6
40°	235.8
42.5°	185.5
45°	141.3
47.5°	103.6
50°	72.4
52.5°	48.3
55°	30.7
57.5°	18.1
60°	10.6
62.5°	7.5
65°	5.6
67.5°	4.0
70°	3.1
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

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Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°

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Scaled Data Report



(END OF REPORT)