

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: P583352

Luminaire Tested: **HC607D010-HM60525927-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525927-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.2 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

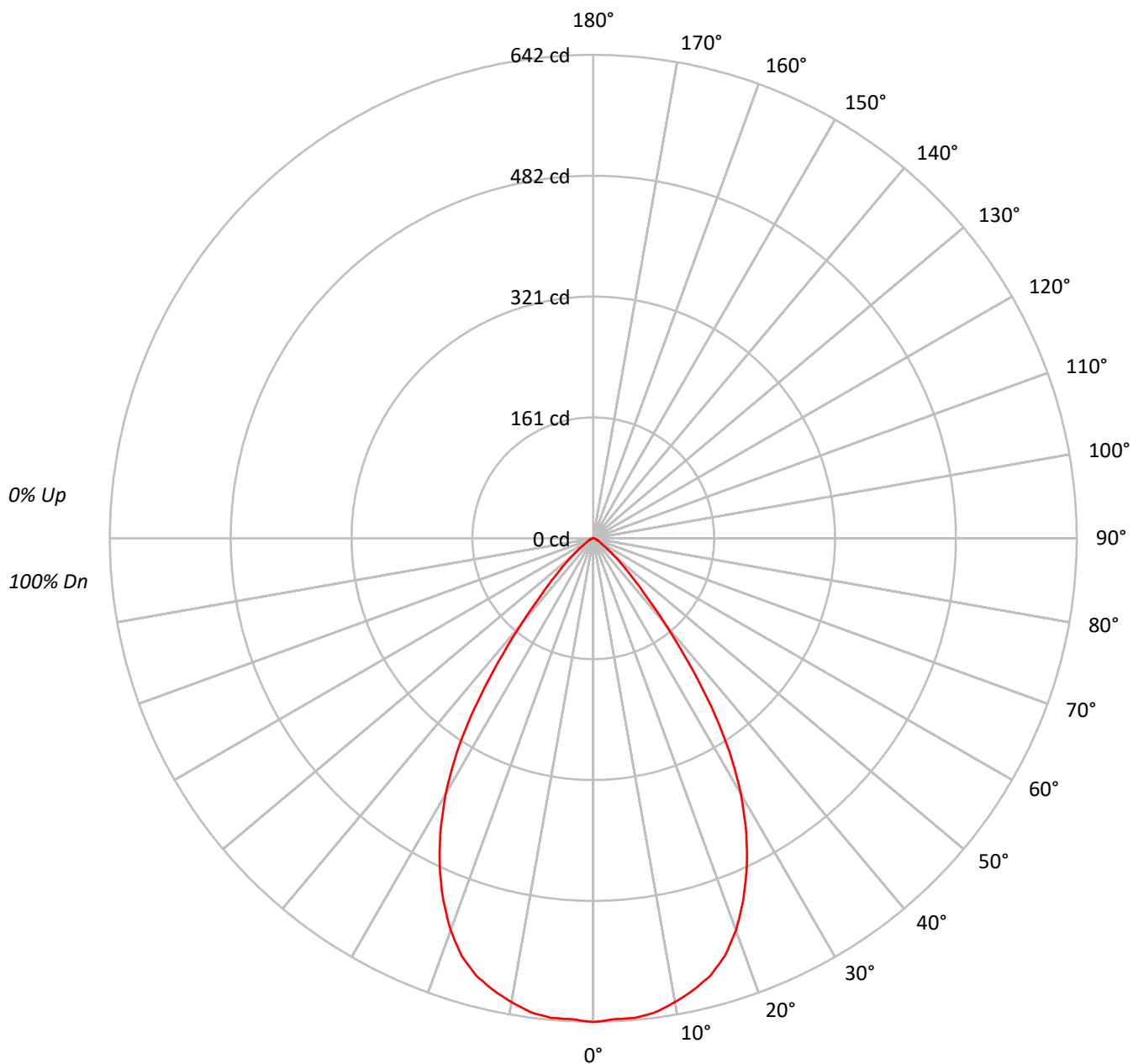
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	108	105	111	108	106	103		104	102	100			100	99	97			97
2	107	102	98	94	105	100	96	93		97	94	91			94	91	89			91
3	101	94	89	85	99	93	88	84		90	86	83			88	84	81			86
4	96	88	82	77	94	86	81	77		84	79	76			82	78	75			80
5	90	81	75	71	89	80	75	70		79	74	70			77	73	69			75
6	85	76	70	65	84	75	69	65		74	68	64			72	67	64			71
7	81	71	65	60	79	70	64	60		69	64	60			68	63	59			67
8	77	66	60	56	75	66	60	56		65	59	55			64	59	55			63
9	73	62	56	52	72	62	56	52		61	56	52			60	55	51			59
10	69	59	53	49	68	58	52	48		57	52	48			57	52	48			56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35216
5°	35186
10°	34819
15°	34121
20°	32319
25°	29185
30°	24795
35°	18303
40°	10591
45°	5621
50°	3181
55°	1653
60°	1096
65°	778
70°	561
75°	424
80°	316
85°	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	8.6
10°-20°	168.1	23.9
20°-30°	219.5	31.2
30°-40°	167.7	23.8
40°-50°	60.7	8.6
50°-60°	17.7	2.5
60°-70°	6.3	0.9
70°-80°	2.2	0.3
80°-90°	0.4	0.1
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°	448.2	63.7
0°-40°	615.9	87.6
0°-60°	694.3	98.7
0°-90°	703.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	642	
5°	639	61
15°	601	168
25°	482	219
35°	274	168
45°	72	61
55°	17	18
65°	6	6
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	642.4
2.5°	639.4
5°	639.4
7.5°	634.9
10°	625.5
12.5°	614.5
15°	601.2
17.5°	581.3
20°	554.0
22.5°	520.3
25°	482.5
27.5°	439.8
30°	391.7
32.5°	337.5
35°	273.5
37.5°	206.5
40°	148.0
42.5°	102.3
45°	72.5
47.5°	52.1
50°	37.3
52.5°	26.3
55°	17.3
57.5°	12.5
60°	10.0
62.5°	7.9
65°	6.0
67.5°	5.0
70°	3.5
72.5°	2.5
75°	2.0
77.5°	1.5
80°	1.0
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)