

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: P583357

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525927-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 702.6 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

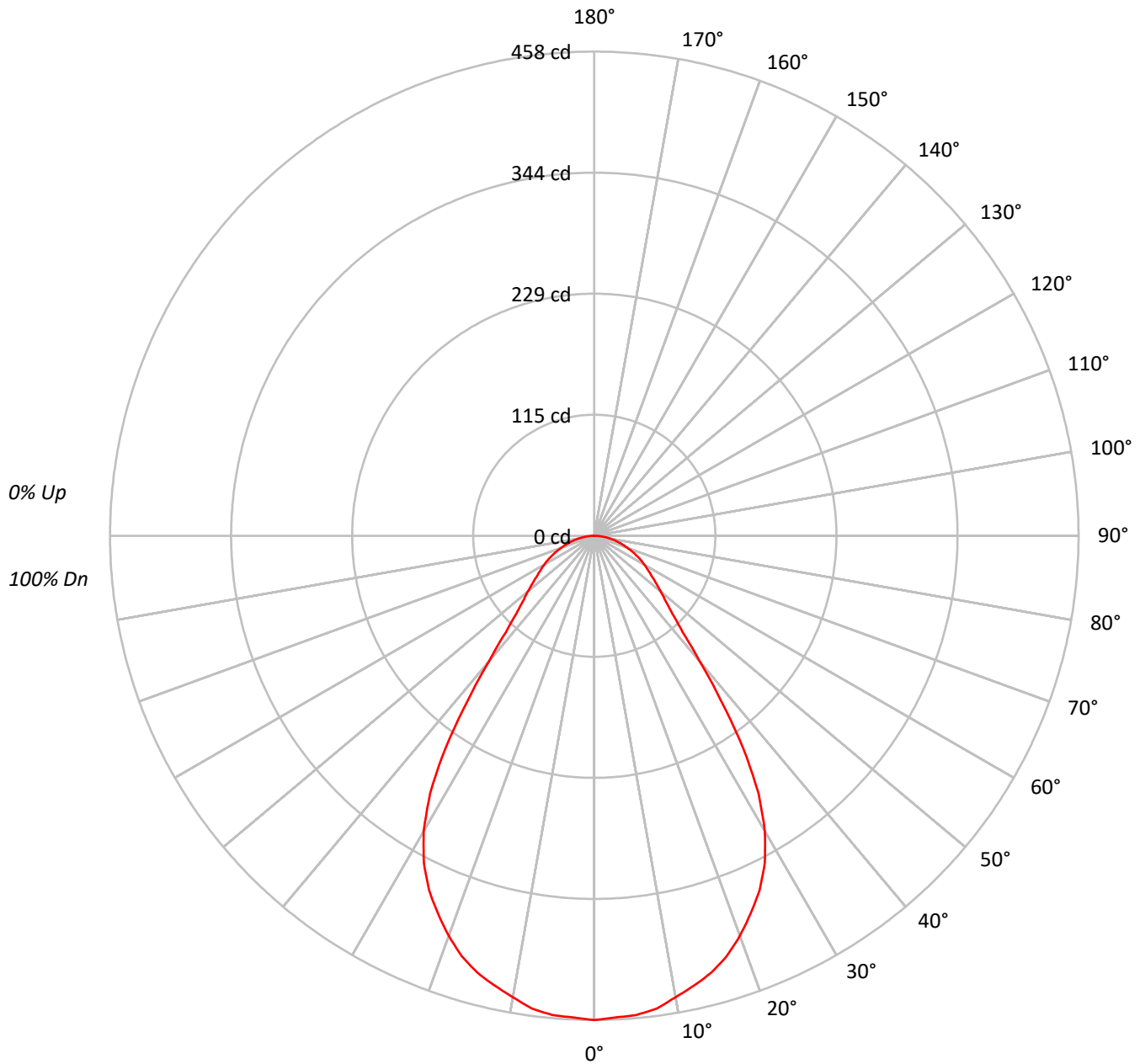
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56		
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51		
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25113
5°	25044
10°	24671
15°	24279
20°	23487
25°	22368
30°	20421
35°	16436
40°	11085
45°	8078
50°	6985
55°	6318
60°	5986
65°	5656
70°	5321
75°	5041
80°	4672
85°	4340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	6.1
10°-20°	120.1	17.1
20°-30°	168.8	24.0
30°-40°	150.2	21.4
40°-50°	84.0	12.0
50°-60°	59.8	8.5
60°-70°	43.5	6.2
70°-80°	25.2	3.6
80°-90°	7.8	1.1
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°	332.0	47.3
0°-40°	482.3	68.6
0°-60°	626.1	89.1
0°-90°	702.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	702.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	458	
5°	455	43
15°	428	120
25°	370	169
35°	246	150
45°	104	84
55°	66	60
65°	44	43
75°	24	25
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	458.1
2.5°	456.1
5°	455.1
7.5°	451.2
10°	443.2
12.5°	435.8
15°	427.8
17.5°	416.9
20°	402.6
22.5°	386.6
25°	369.8
27.5°	349.0
30°	322.6
32.5°	288.9
35°	245.6
37.5°	197.0
40°	154.9
42.5°	123.6
45°	104.2
47.5°	91.3
50°	81.9
52.5°	73.4
55°	66.1
57.5°	60.0
60°	54.6
62.5°	49.6
65°	43.6
67.5°	38.7
70°	33.2
72.5°	28.3
75°	23.8
77.5°	19.4
80°	14.8
82.5°	10.9
85°	6.9
87.5°	3.5
90°	0.0



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— 0°-180°







(END OF REPORT)