

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: P583303

Luminaire Tested: **HC607D010-HM60525830-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583303
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-HM60525830-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 894.8 lumens
Efficiency: N/A
Efficacy: 111.9 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

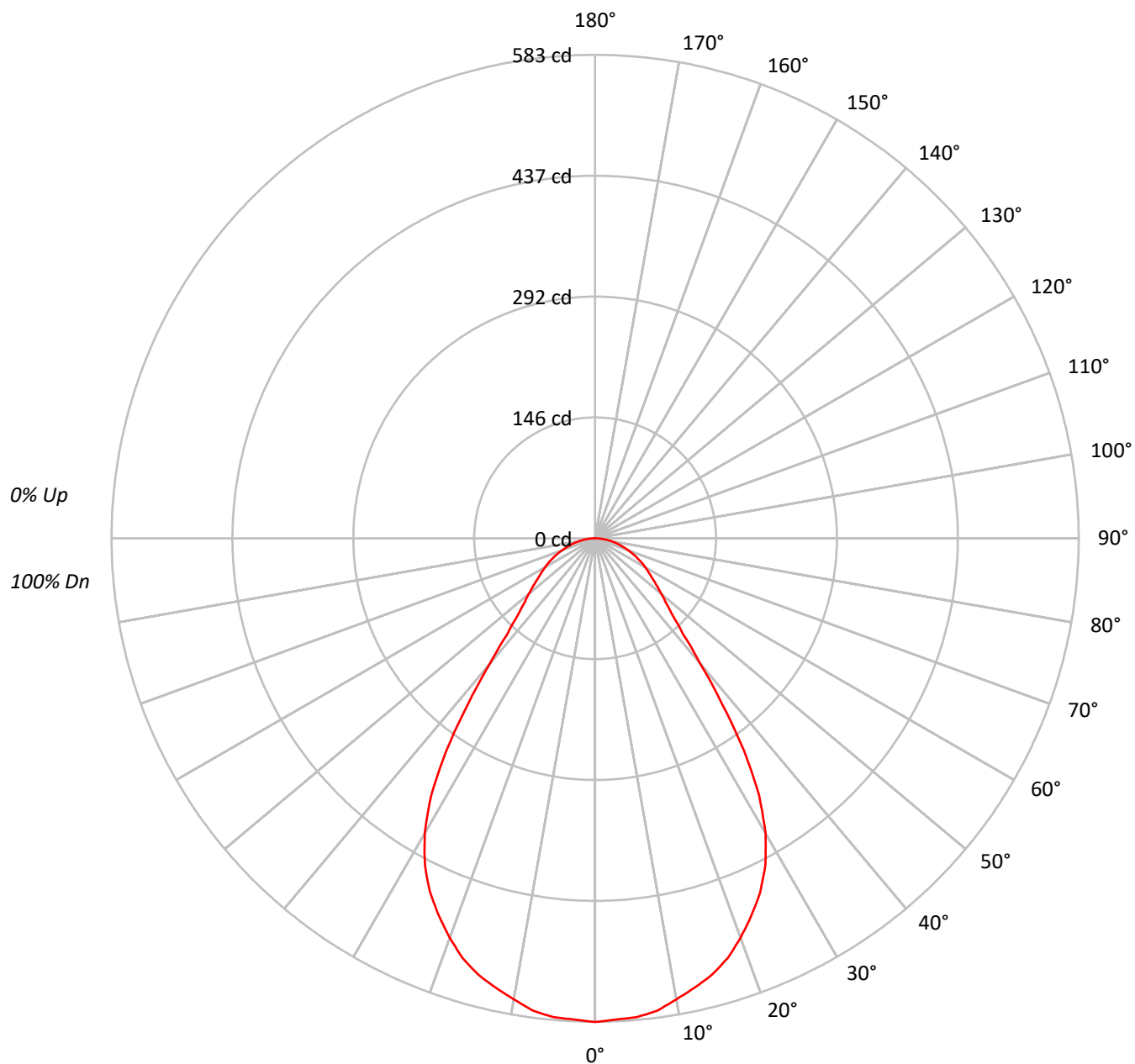
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	31982
5°	31895
10°	31423
15°	30925
20°	29904
25°	28483
30°	26004
35°	20934
40°	14119
45°	10296
50°	8887
55°	8038
60°	7631
65°	7212
70°	6796
75°	6439
80°	5967
85°	5535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	6.1
10°-20°	153.0	17.1
20°-30°	215.0	24.0
30°-40°	191.4	21.4
40°-50°	106.9	11.9
50°-60°	76.2	8.5
60°-70°	55.4	6.2
70°-80°	32.1	3.6
80°-90°	9.9	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°	422.8	47.3
0°-40°	614.2	68.6
0°-60°	797.3	89.1
0°-90°	894.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	894.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	583	
5°	580	55
15°	545	153
25°	471	215
35°	313	191
45°	133	107
55°	84	76
65°	56	55
75°	30	32
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	583.4
2.5°	580.9
5°	579.6
7.5°	574.5
10°	564.5
12.5°	554.9
15°	544.9
17.5°	530.9
20°	512.6
22.5°	492.4
25°	470.9
27.5°	444.4
30°	410.8
32.5°	367.9
35°	312.8
37.5°	251.0
40°	197.3
42.5°	157.4
45°	132.8
47.5°	116.2
50°	104.2
52.5°	93.6
55°	84.1
57.5°	76.5
60°	69.6
62.5°	63.2
65°	55.6
67.5°	49.3
70°	42.4
72.5°	36.0
75°	30.4
77.5°	24.7
80°	18.9
82.5°	13.9
85°	8.8
87.5°	4.4
90°	0.0



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— 0°-180°







(END OF REPORT)