

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: P583411

Luminaire Tested: **HC607D010-HM60525940-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583411
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-HM60525940-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 817.7 lumens
Efficiency: N/A
Efficacy: 102.2 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

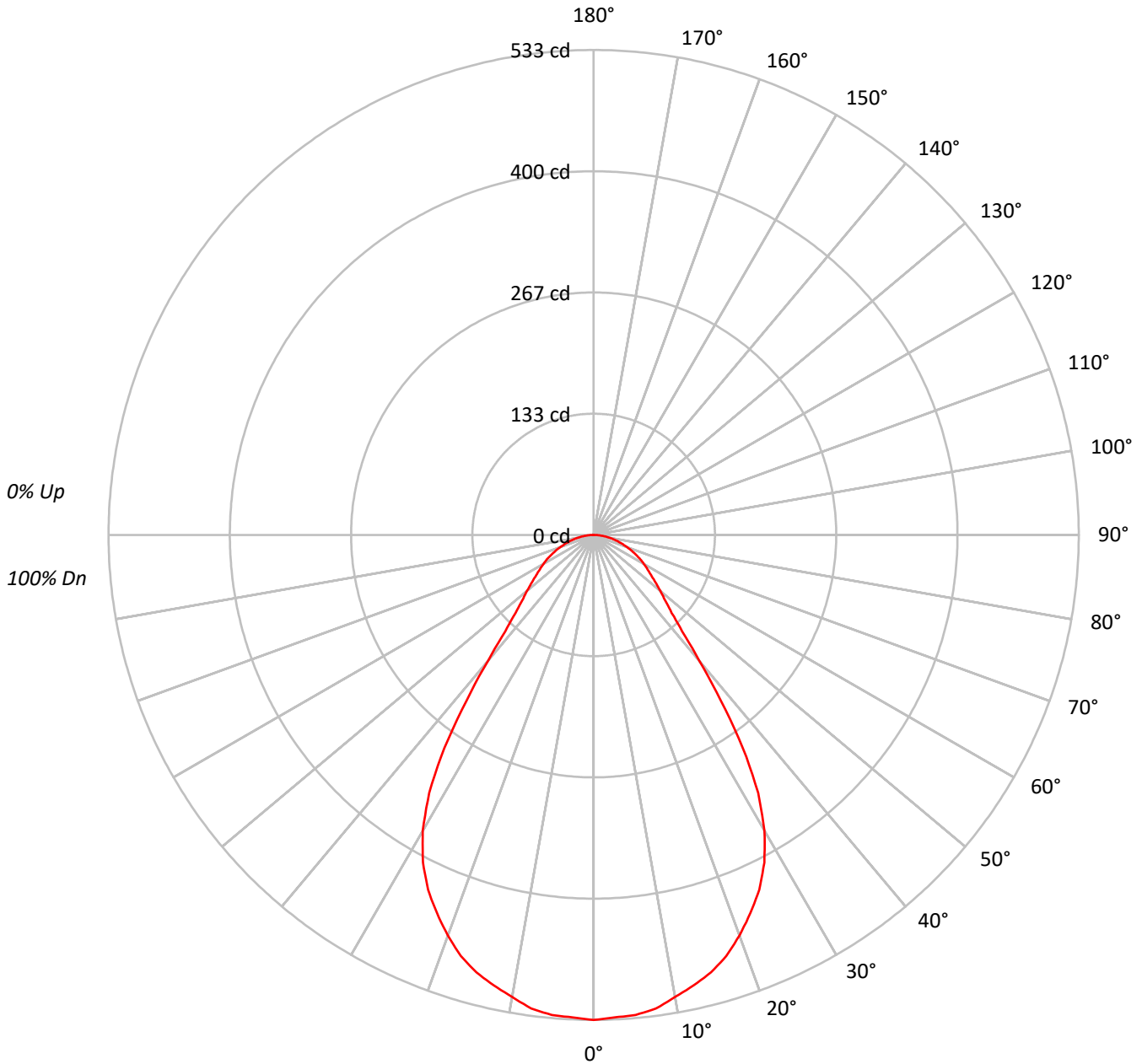
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	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	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°	29225
5°	29144
10°	28707
15°	28252
20°	27326
25°	26028
30°	23763
35°	19133
40°	12888
45°	9396
50°	8128
55°	7340
60°	6973
65°	6603
70°	6203
75°	5888
80°	5462
85°	5032



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	6.1
10°-20°	139.8	17.1
20°-30°	196.4	24.0
30°-40°	174.9	21.4
40°-50°	97.7	11.9
50°-60°	69.6	8.5
60°-70°	50.7	6.2
70°-80°	29.4	3.6
80°-90°	9.1	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°	386.4	47.3
0°-40°	561.2	68.6
0°-60°	728.5	89.1
0°-90°	817.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	817.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	533	
5°	530	50
15°	498	140
25°	430	196
35°	286	175
45°	121	98
55°	77	70
65°	51	51
75°	28	29
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	533.1
2.5°	530.8
5°	529.6
7.5°	525.0
10°	515.7
12.5°	507.1
15°	497.8
17.5°	485.2
20°	468.4
22.5°	449.9
25°	430.3
27.5°	406.0
30°	375.4
32.5°	336.2
35°	285.9
37.5°	229.3
40°	180.1
42.5°	143.8
45°	121.2
47.5°	106.3
50°	95.3
52.5°	85.4
55°	76.8
57.5°	69.9
60°	63.6
62.5°	57.8
65°	50.9
67.5°	45.1
70°	38.7
72.5°	33.0
75°	27.8
77.5°	22.5
80°	17.3
82.5°	12.7
85°	8.0
87.5°	4.1
90°	0.0



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— 0°-180°







(END OF REPORT)