

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: P582943

Luminaire Tested: **HC605D010-HM60525930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582943
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: HC605D010-HM60525930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 579.5 lumens
Efficiency: N/A
Efficacy: 96.6 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

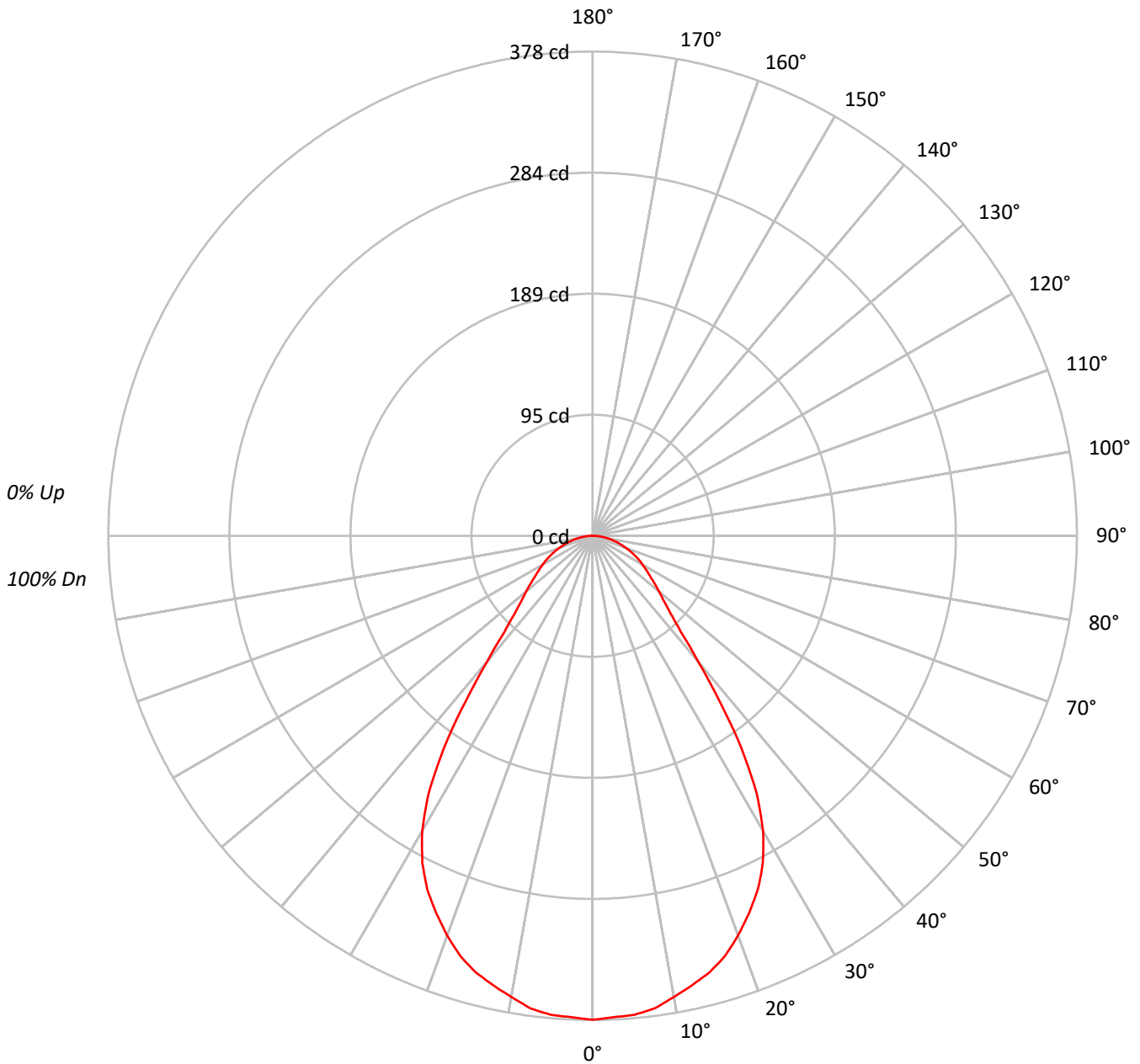
Input Watts (W): 6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20711
5°	20658
10°	20351
15°	20023
20°	19368
25°	18449
30°	16844
35°	13559
40°	9139
45°	6667
50°	5765
55°	5209
60°	4934
65°	4670
70°	4408
75°	4173
80°	3883
85°	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	6.1
10°-20°	99.1	17.1
20°-30°	139.2	24.0
30°-40°	123.9	21.4
40°-50°	69.3	12.0
50°-60°	49.4	8.5
60°-70°	35.9	6.2
70°-80°	20.8	3.6
80°-90°	6.5	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°	273.8	47.3
0°-40°	397.8	68.6
0°-60°	516.4	89.1
0°-90°	579.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	579.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	378	
5°	375	36
15°	353	99
25°	305	139
35°	203	124
45°	86	69
55°	54	49
65°	36	36
75°	20	21
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	377.8
2.5°	376.2
5°	375.4
7.5°	372.1
10°	365.6
12.5°	359.3
15°	352.8
17.5°	343.9
20°	332.0
22.5°	318.9
25°	305.0
27.5°	287.8
30°	266.1
32.5°	238.2
35°	202.6
37.5°	162.5
40°	127.7
42.5°	101.9
45°	86.0
47.5°	75.4
50°	67.6
52.5°	60.6
55°	54.5
57.5°	49.5
60°	45.0
62.5°	40.9
65°	36.0
67.5°	32.0
70°	27.5
72.5°	23.3
75°	19.7
77.5°	15.9
80°	12.3
82.5°	9.0
85°	5.8
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)