

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: P593027

Luminaire Tested: **HC607D010-HM60525850-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593027
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-HM60525850-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 938.4 lumens
Efficiency: N/A
Efficacy: 117.3 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

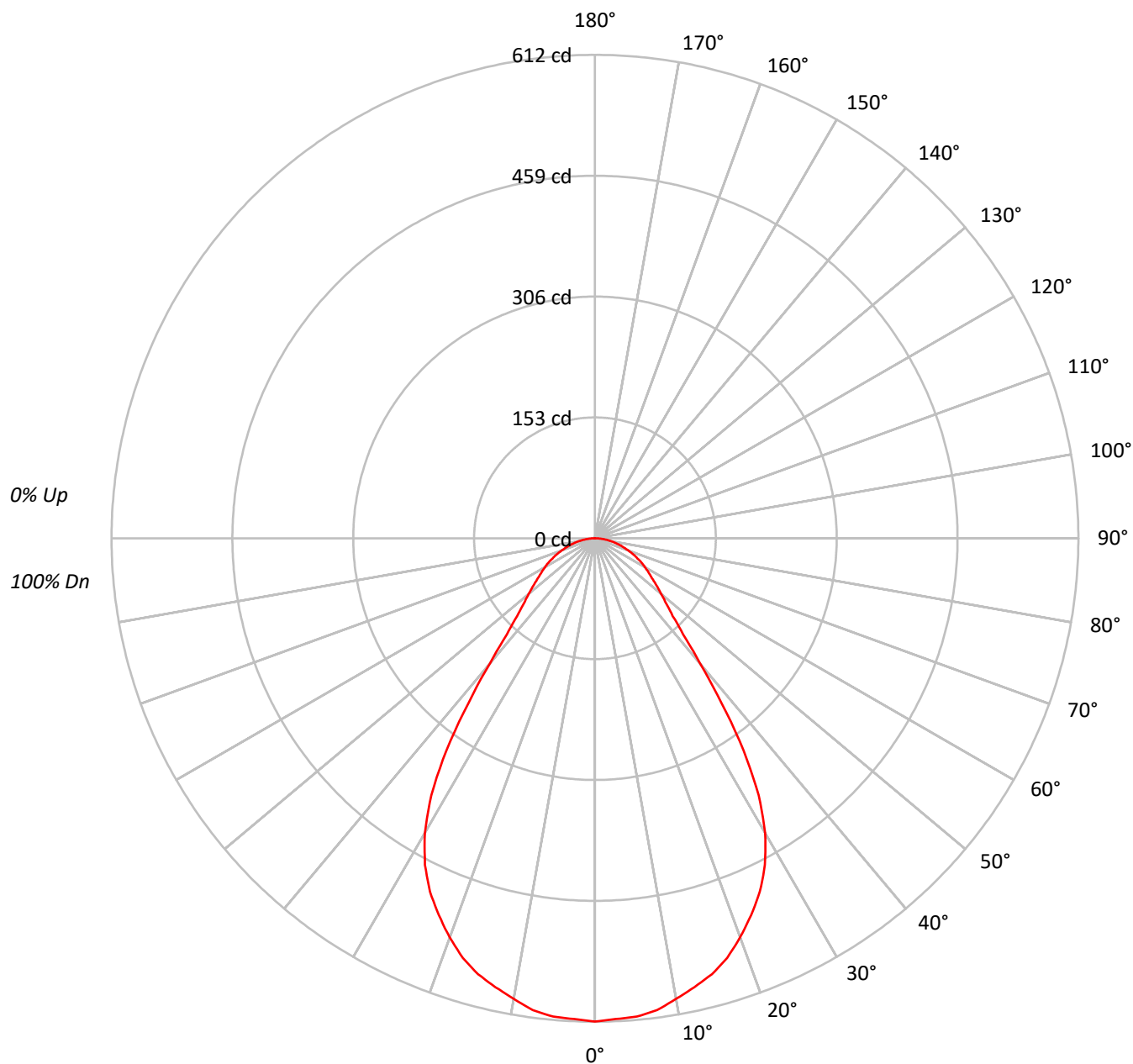
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	33539
5°	33452
10°	32954
15°	32429
20°	31363
25°	29875
30°	27276
35°	21957
40°	14799
45°	10792
50°	9322
55°	8420
60°	8004
65°	7562
70°	7117
75°	6736
80°	6282
85°	5850



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	6.1
10°-20°	160.5	17.1
20°-30°	225.5	24.0
30°-40°	200.7	21.4
40°-50°	112.2	12.0
50°-60°	79.9	8.5
60°-70°	58.1	6.2
70°-80°	33.6	3.6
80°-90°	10.5	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°	443.5	47.3
0°-40°	644.1	68.6
0°-60°	836.2	89.1
0°-90°	938.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	938.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	612	
5°	608	58
15°	571	160
25°	494	225
35°	328	201
45°	139	112
55°	88	80
65°	58	58
75°	32	34
85°	9	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	611.8
2.5°	609.2
5°	607.9
7.5°	602.5
10°	592.0
12.5°	582.0
15°	571.4
17.5°	556.9
20°	537.6
22.5°	516.4
25°	493.9
27.5°	466.0
30°	430.9
32.5°	385.8
35°	328.1
37.5°	263.2
40°	206.8
42.5°	165.1
45°	139.2
47.5°	122.0
50°	109.3
52.5°	98.1
55°	88.1
57.5°	80.2
60°	73.0
62.5°	66.3
65°	58.3
67.5°	51.7
70°	44.4
72.5°	37.7
75°	31.8
77.5°	25.8
80°	19.9
82.5°	14.6
85°	9.3
87.5°	4.6
90°	0.0



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— 0°-180°







(END OF REPORT)