

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: P583317

Luminaire Tested: **HC607D010-HM60525835-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525835-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.7 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

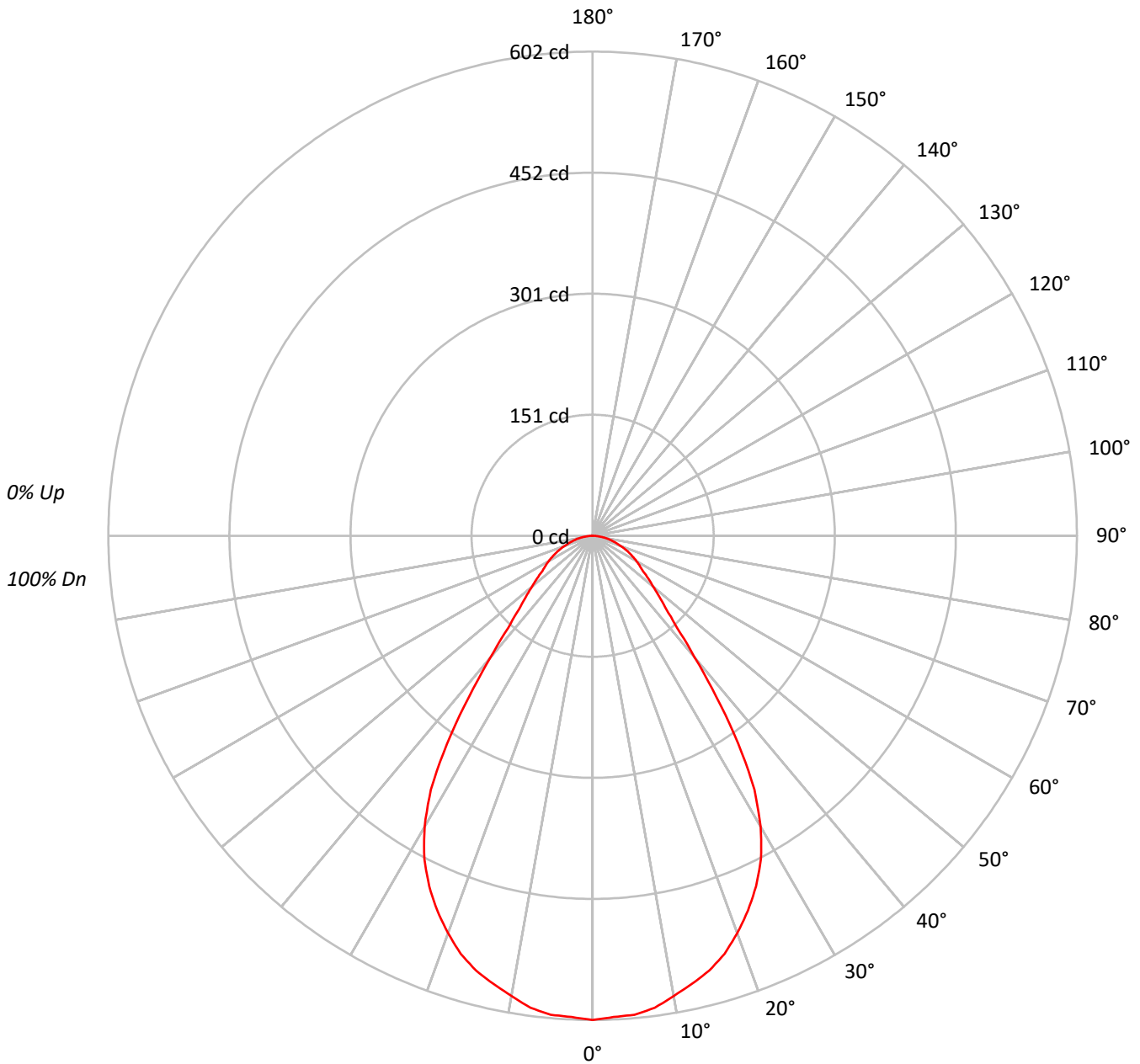
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33007
5°	32891
10°	32336
15°	31765
20°	30668
25°	29076
30°	26453
35°	21134
40°	14098
45°	10048
50°	8375
55°	7302
60°	6896
65°	6499
70°	5979
75°	5571
80°	5083
85°	4403



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	6.4
10°-20°	157.2	17.7
20°-30°	219.6	24.8
30°-40°	193.5	21.8
40°-50°	104.5	11.8
50°-60°	69.9	7.9
60°-70°	49.5	5.6
70°-80°	27.9	3.1
80°-90°	8.1	0.9
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°	433.3	48.9
0°-40°	626.8	70.7
0°-60°	801.1	90.4
0°-90°	886.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	602	
5°	598	57
15°	560	157
25°	481	220
35°	316	193
45°	130	104
55°	76	70
65°	50	50
75°	26	28
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	602.1
2.5°	598.9
5°	597.7
7.5°	591.9
10°	580.9
12.5°	570.7
15°	559.7
17.5°	545.0
20°	525.7
22.5°	504.5
25°	480.7
27.5°	453.2
30°	417.9
32.5°	374.2
35°	315.8
37.5°	252.3
40°	197.0
42.5°	155.3
45°	129.6
47.5°	112.3
50°	98.2
52.5°	86.7
55°	76.4
57.5°	69.3
60°	62.9
62.5°	56.5
65°	50.1
67.5°	43.6
70°	37.3
72.5°	31.5
75°	26.3
77.5°	21.2
80°	16.1
82.5°	11.6
85°	7.0
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)