

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: P583398

Luminaire Tested: **HC607D010-HM60525935-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525935-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 843.4 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

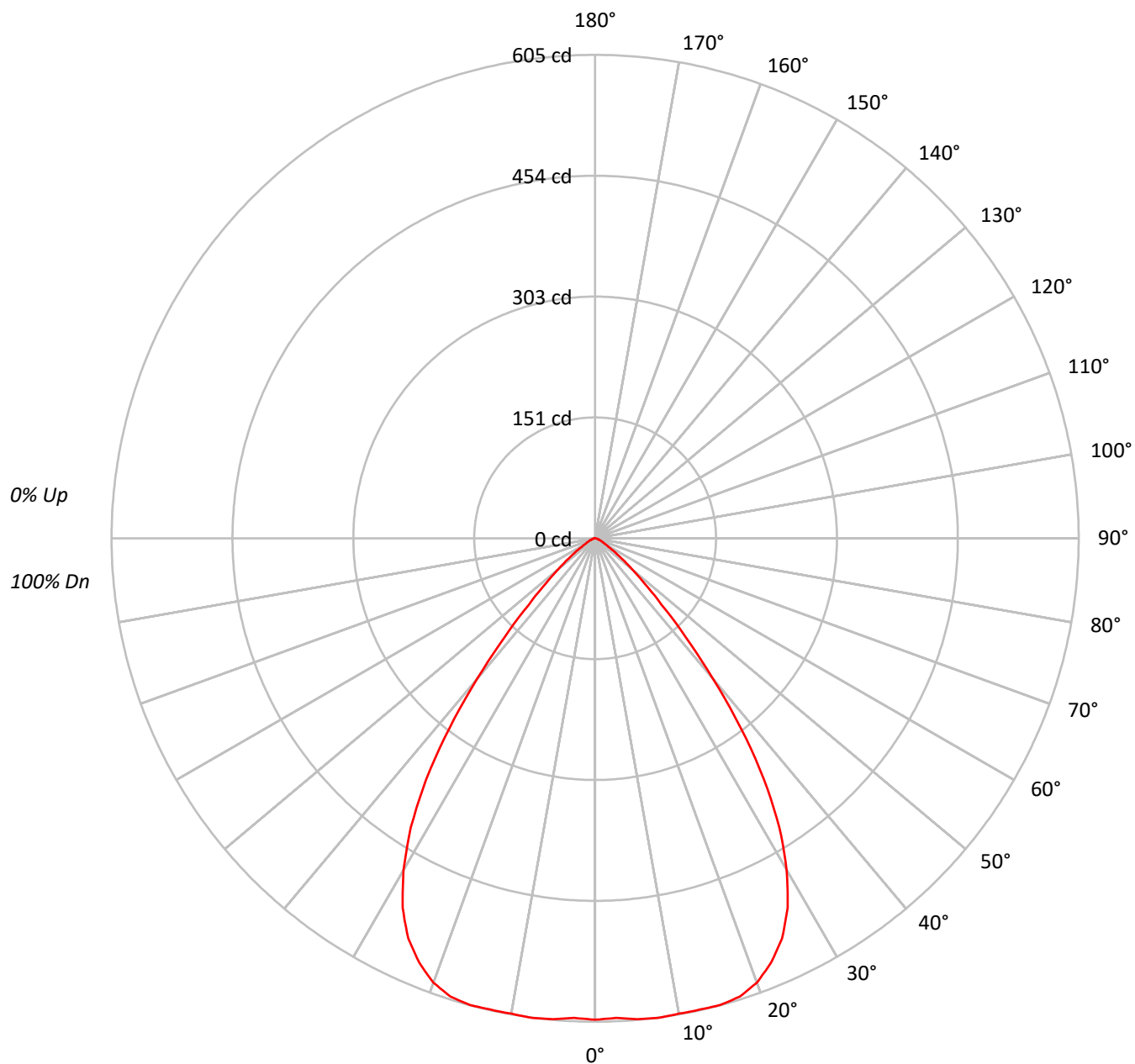
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64		
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59		
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54		
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50		
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33029
5°	33249
10°	33633
15°	34325
20°	34519
25°	33443
30°	30340
35°	24668
40°	16374
45°	9109
50°	5109
55°	2839
60°	1568
65°	1193
70°	817
75°	593
80°	347
85°	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	6.8
10°-20°	170.5	20.2
20°-30°	251.3	29.8
30°-40°	224.8	26.7
40°-50°	97.5	11.6
50°-60°	28.7	3.4
60°-70°	9.1	1.1
70°-80°	3.2	0.4
80°-90°	0.5	0.1
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°	479.6	56.9
0°-40°	704.4	83.5
0°-60°	830.5	98.5
0°-90°	843.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	602	
5°	604	58
15°	605	171
25°	553	251
35°	369	225
45°	118	98
55°	30	29
65°	9	9
75°	3	3
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	602.5
2.5°	600.8
5°	604.2
7.5°	605.4
10°	604.2
12.5°	604.2
15°	604.8
17.5°	601.4
20°	591.7
22.5°	575.1
25°	552.9
27.5°	521.5
30°	479.3
32.5°	429.1
35°	368.6
37.5°	299.6
40°	228.8
42.5°	167.2
45°	117.5
47.5°	83.8
50°	59.9
52.5°	42.8
55°	29.7
57.5°	19.9
60°	14.3
62.5°	11.4
65°	9.2
67.5°	6.8
70°	5.1
72.5°	4.0
75°	2.8
77.5°	2.3
80°	1.1
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)