

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: P583380

Luminaire Tested: **HC607D010-HM60525930-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583380
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-HM60525930-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 801.1 lumens
Efficiency: N/A
Efficacy: 100.1 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

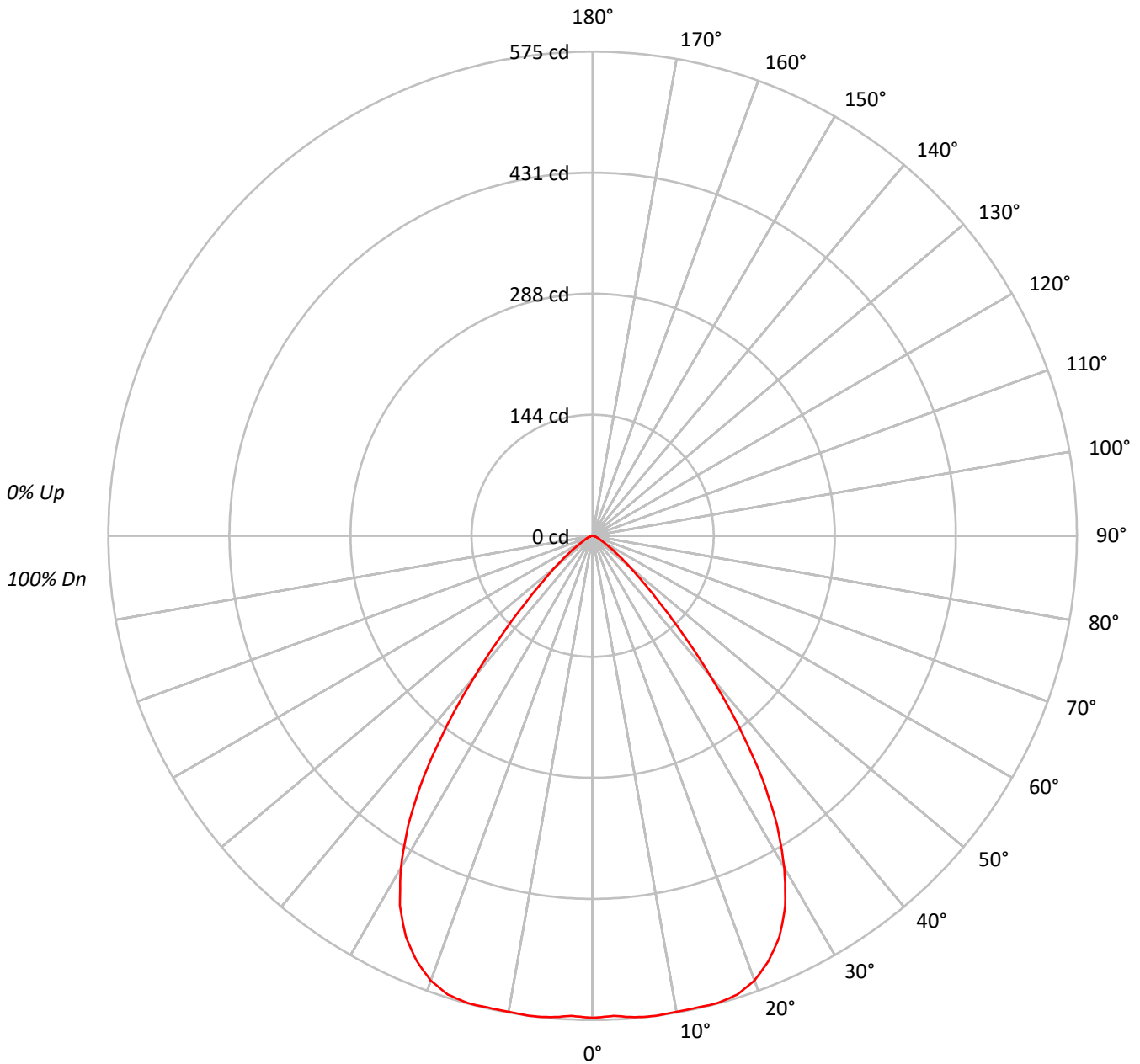
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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		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	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	72	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°	31379
5°	31587
10°	31952
15°	32605
20°	32792
25°	31762
30°	28815
35°	23430
40°	15551
45°	8652
50°	4853
55°	2695
60°	1491
65°	1129
70°	785
75°	572
80°	347
85°	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	6.8
10°-20°	162.0	20.2
20°-30°	238.7	29.8
30°-40°	213.5	26.7
40°-50°	92.6	11.6
50°-60°	27.2	3.4
60°-70°	8.7	1.1
70°-80°	3.1	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°	455.5	56.9
0°-40°	669.0	83.5
0°-60°	788.9	98.5
0°-90°	801.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	801.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	572	
5°	574	55
15°	574	162
25°	525	239
35°	350	214
45°	112	93
55°	28	27
65°	9	9
75°	3	3
85°	1	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	572.4
2.5°	570.7
5°	574.0
7.5°	575.1
10°	574.0
12.5°	574.0
15°	574.5
17.5°	571.3
20°	562.1
22.5°	546.3
25°	525.1
27.5°	495.3
30°	455.2
32.5°	407.5
35°	350.1
37.5°	284.5
40°	217.3
42.5°	158.8
45°	111.6
47.5°	79.6
50°	56.9
52.5°	40.7
55°	28.2
57.5°	18.9
60°	13.6
62.5°	10.9
65°	8.7
67.5°	6.5
70°	4.9
72.5°	3.7
75°	2.7
77.5°	2.2
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)