

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: P583338

Luminaire Tested: **HC607D010-HM60525840-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583338
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525840-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 901.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

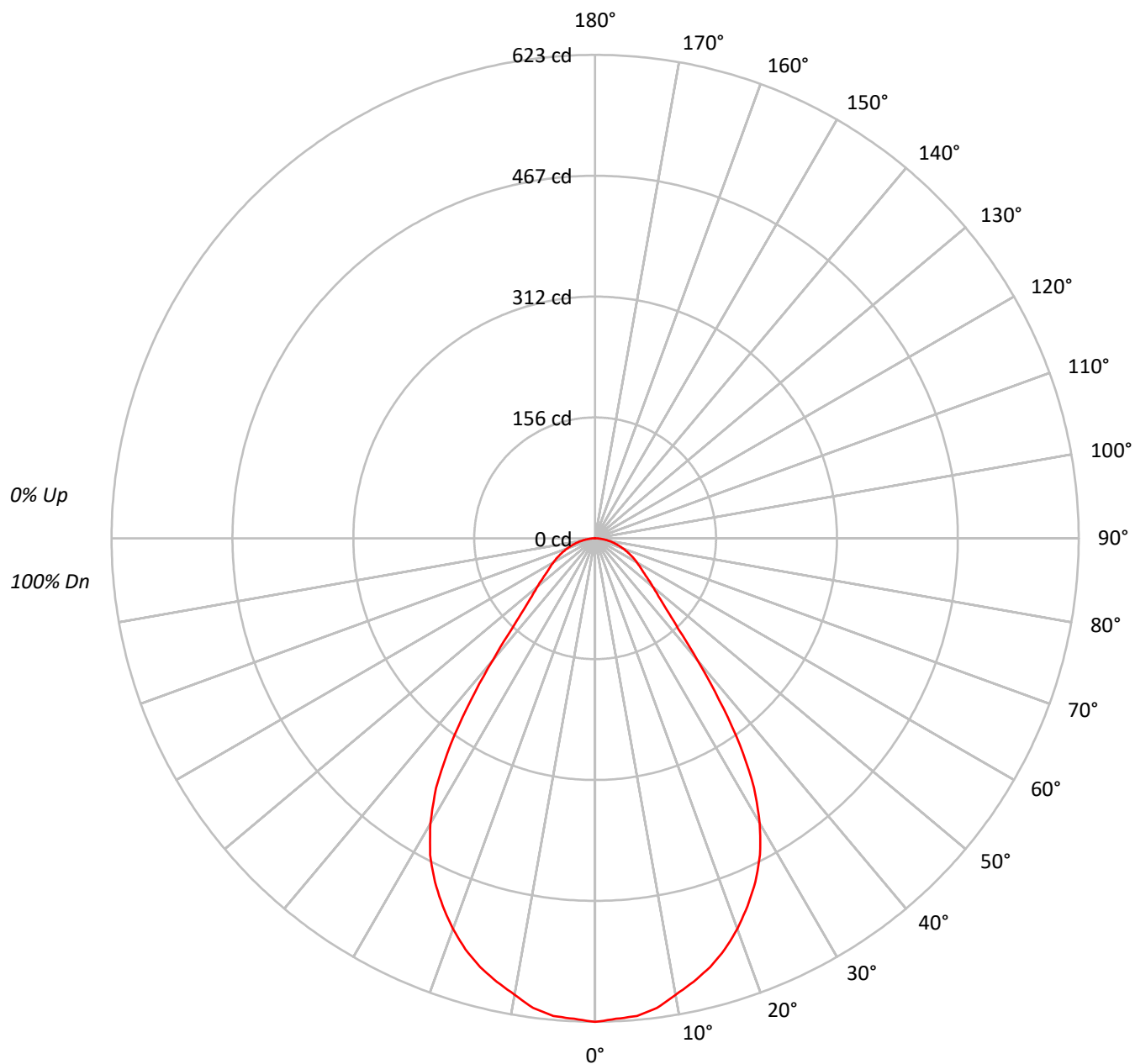
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10		70	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
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	63	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34164
5°	34003
10°	33249
15°	32475
20°	31252
25°	29548
30°	26859
35°	21737
40°	14656
45°	10079
50°	8256
55°	7226
60°	6831
65°	6447
70°	6059
75°	5761
80°	5209
85°	4592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	6.5
10°-20°	160.7	17.8
20°-30°	223.2	24.7
30°-40°	198.7	22.0
40°-50°	105.5	11.7
50°-60°	69.0	7.7
60°-70°	49.4	5.5
70°-80°	28.7	3.2
80°-90°	8.4	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°	442.2	49.0
0°-40°	641.0	71.1
0°-60°	815.5	90.4
0°-90°	901.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	901.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	623	
5°	618	58
15°	572	161
25°	488	223
35°	325	199
45°	130	106
55°	76	69
65°	50	49
75°	27	29
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	623.2
2.5°	619.9
5°	617.9
7.5°	610.6
10°	597.3
12.5°	585.4
15°	572.2
17.5°	555.5
20°	535.7
22.5°	513.1
25°	488.5
27.5°	460.1
30°	424.3
32.5°	381.3
35°	324.8
37.5°	262.5
40°	204.8
42.5°	159.1
45°	130.0
47.5°	110.7
50°	96.8
52.5°	85.5
55°	75.6
57.5°	68.3
60°	62.3
62.5°	56.3
65°	49.7
67.5°	43.7
70°	37.8
72.5°	32.5
75°	27.2
77.5°	21.9
80°	16.5
82.5°	11.9
85°	7.3
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)