

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: P583299

Luminaire Tested: **HC607D010-HM60525830-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583299
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-HM60525830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 872.5 lumens
Efficiency: N/A
Efficacy: 109.1 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

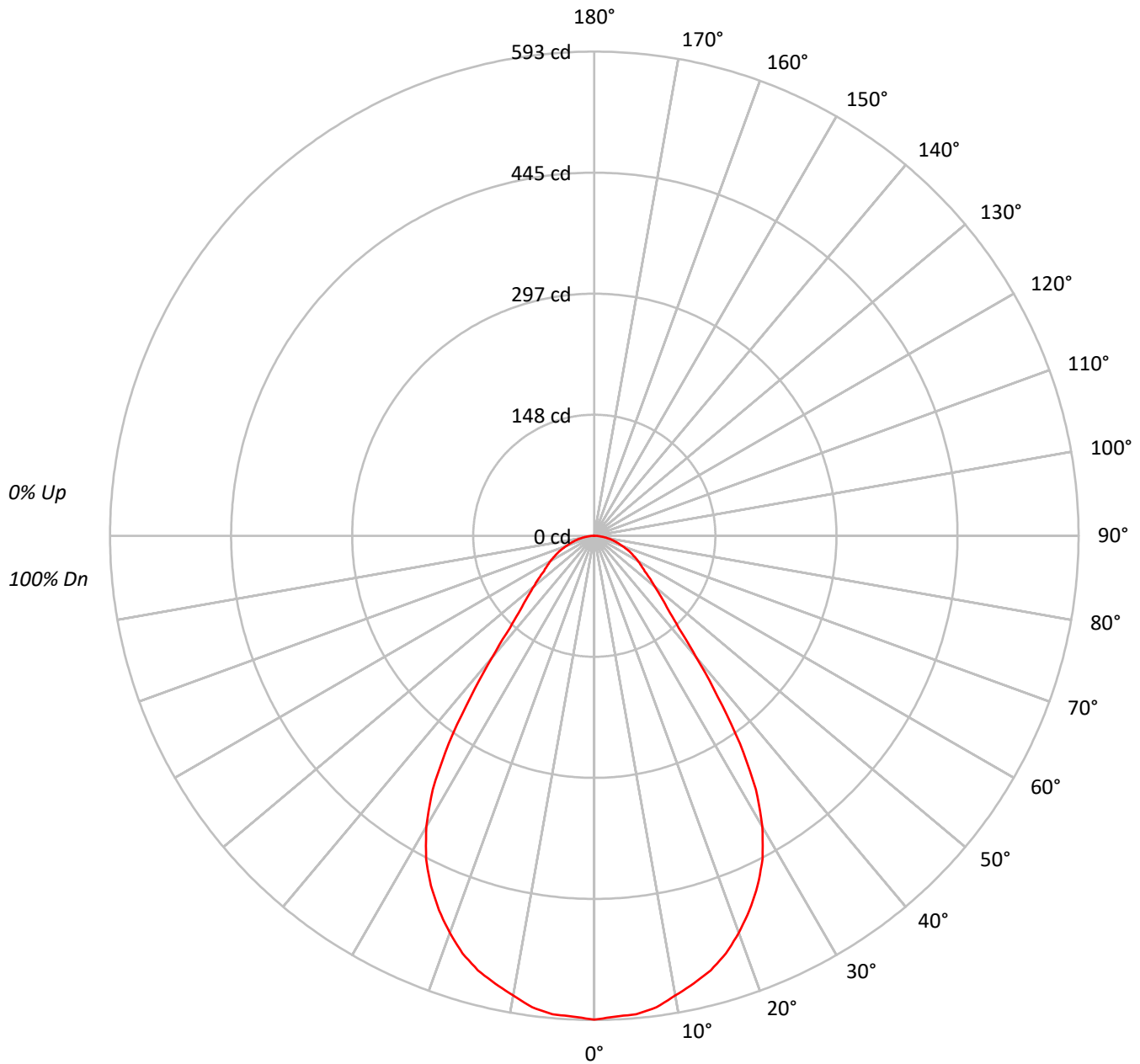
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
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	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32486
5°	32363
10°	31824
15°	31266
20°	30184
25°	28617
30°	26036
35°	20800
40°	13883
45°	9892
50°	8239
55°	7187
60°	6787
65°	6395
70°	5866
75°	5486
80°	4956
85°	4340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	6.4
10°-20°	154.7	17.7
20°-30°	216.2	24.8
30°-40°	190.4	21.8
40°-50°	102.9	11.8
50°-60°	68.8	7.9
60°-70°	48.7	5.6
70°-80°	27.4	3.1
80°-90°	8.0	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°	426.5	48.9
0°-40°	616.9	70.7
0°-60°	788.5	90.4
0°-90°	872.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	872.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	588	56
15°	551	155
25°	473	216
35°	311	190
45°	128	103
55°	75	69
65°	49	49
75°	26	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	592.6
2.5°	589.4
5°	588.1
7.5°	582.5
10°	571.7
12.5°	561.6
15°	550.9
17.5°	536.4
20°	517.4
22.5°	496.6
25°	473.1
27.5°	446.1
30°	411.3
32.5°	368.3
35°	310.8
37.5°	248.2
40°	194.0
42.5°	152.8
45°	127.6
47.5°	110.6
50°	96.6
52.5°	85.3
55°	75.2
57.5°	68.2
60°	61.9
62.5°	55.6
65°	49.3
67.5°	42.9
70°	36.6
72.5°	30.9
75°	25.9
77.5°	20.8
80°	15.7
82.5°	11.3
85°	6.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)