

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: P583389

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583389
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-HM60525935-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 787.5 lumens
Efficiency: N/A
Efficacy: 98.4 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

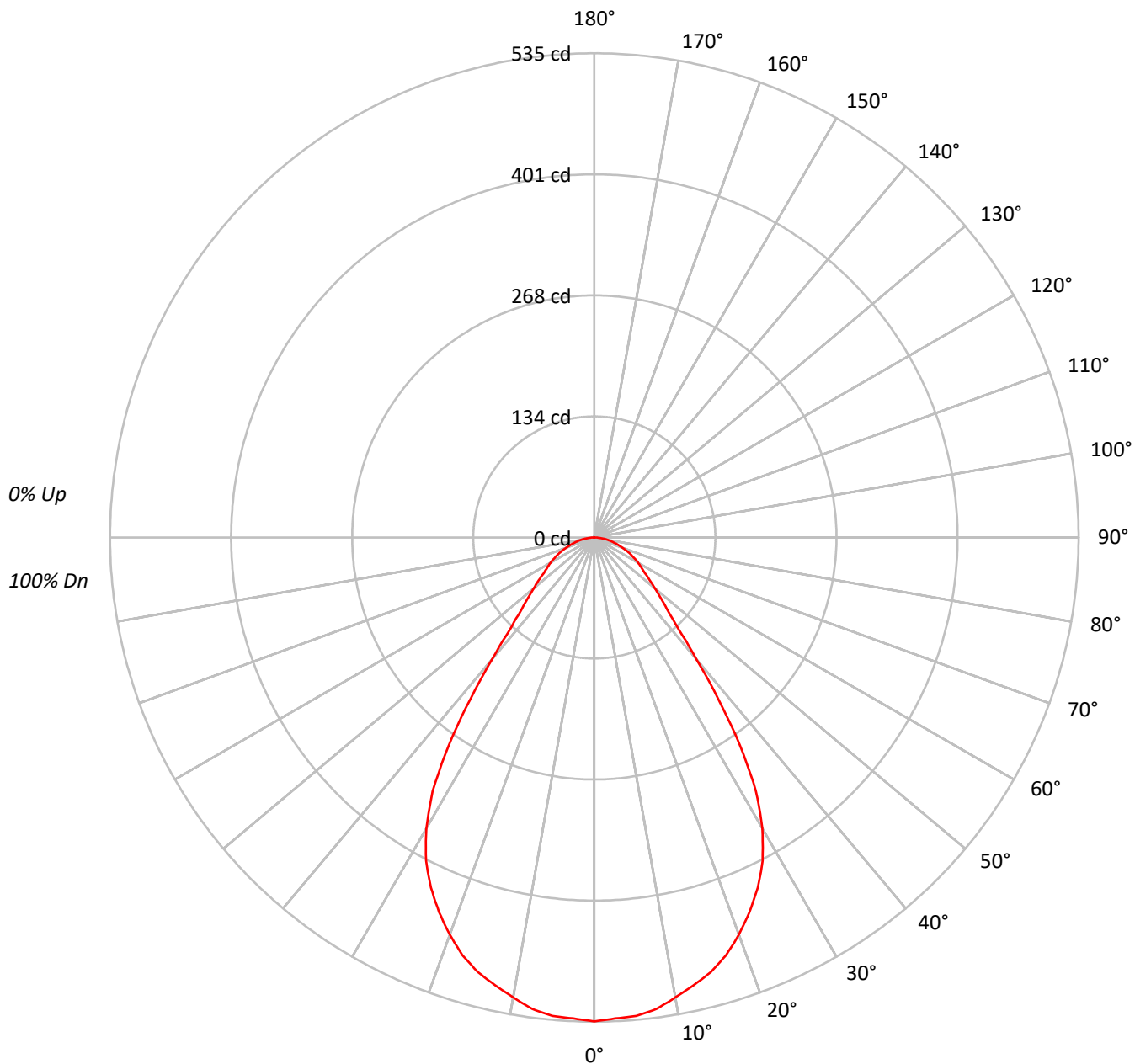
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	29318
5°	29210
10°	28724
15°	28218
20°	27238
25°	25828
30°	23497
35°	18772
40°	12523
45°	8923
50°	7437
55°	6490
60°	6129
65°	5759
70°	5305
75°	4935
80°	4514
85°	3900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.2	6.4
10°-20°	139.6	17.7
20°-30°	195.1	24.8
30°-40°	171.8	21.8
40°-50°	92.8	11.8
50°-60°	62.1	7.9
60°-70°	44.0	5.6
70°-80°	24.7	3.1
80°-90°	7.2	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°	384.9	48.9
0°-40°	556.7	70.7
0°-60°	711.6	90.4
0°-90°	787.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	535	
5°	531	50
15°	497	140
25°	427	195
35°	280	172
45°	115	93
55°	68	62
65°	44	44
75°	23	25
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	534.8
2.5°	531.9
5°	530.8
7.5°	525.6
10°	516.0
12.5°	506.8
15°	497.2
17.5°	484.0
20°	466.9
22.5°	448.1
25°	427.0
27.5°	402.6
30°	371.2
32.5°	332.4
35°	280.5
37.5°	224.1
40°	175.0
42.5°	138.0
45°	115.1
47.5°	99.8
50°	87.2
52.5°	76.9
55°	67.9
57.5°	61.5
60°	55.9
62.5°	50.2
65°	44.4
67.5°	38.7
70°	33.1
72.5°	28.0
75°	23.3
77.5°	18.8
80°	14.3
82.5°	10.3
85°	6.2
87.5°	2.8
90°	0.0



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— 0°-180°







(END OF REPORT)