

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: P582957

Luminaire Tested: **HC605D010-HM60525935-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582957
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: HC605D010-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: 595.0 lumens
Efficiency: N/A
Efficacy: 99.2 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

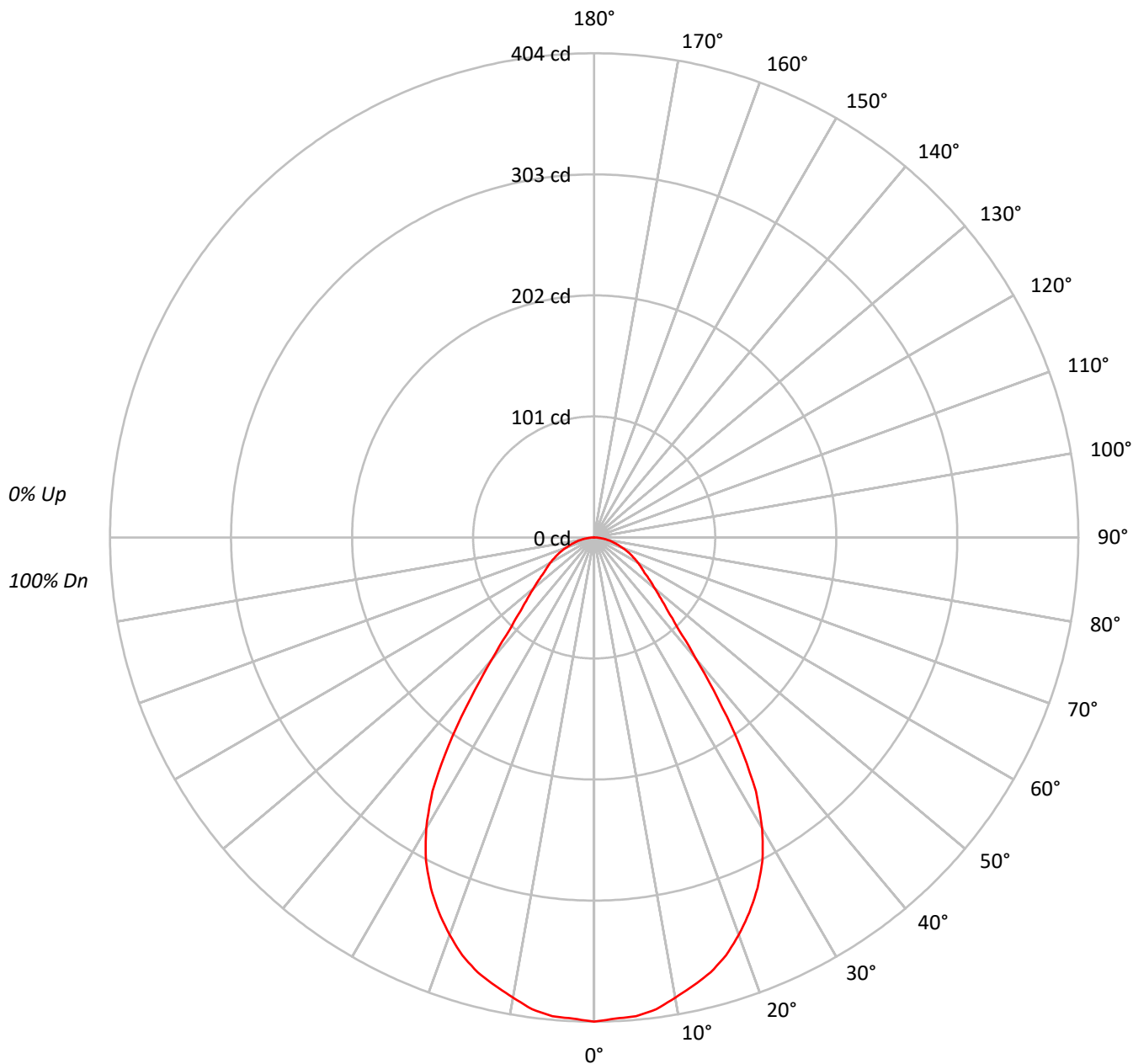
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	22147
5°	22067
10°	21699
15°	21317
20°	20582
25°	19513
30°	17750
35°	14181
40°	9461
45°	6745
50°	5620
55°	4903
60°	4638
65°	4358
70°	4007
75°	3728
80°	3378
85°	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	6.4
10°-20°	105.5	17.7
20°-30°	147.4	24.8
30°-40°	129.8	21.8
40°-50°	70.1	11.8
50°-60°	46.9	7.9
60°-70°	33.3	5.6
70°-80°	18.7	3.1
80°-90°	5.4	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°	290.8	48.9
0°-40°	420.6	70.7
0°-60°	537.6	90.4
0°-90°	595.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	595.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	404	
5°	401	38
15°	376	105
25°	323	147
35°	212	130
45°	87	70
55°	51	47
65°	34	33
75°	18	19
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	404.0
2.5°	401.8
5°	401.0
7.5°	397.1
10°	389.8
12.5°	383.0
15°	375.6
17.5°	365.7
20°	352.8
22.5°	338.5
25°	322.6
27.5°	304.1
30°	280.4
32.5°	251.1
35°	211.9
37.5°	169.3
40°	132.2
42.5°	104.2
45°	87.0
47.5°	75.4
50°	65.9
52.5°	58.2
55°	51.3
57.5°	46.6
60°	42.3
62.5°	37.9
65°	33.6
67.5°	29.3
70°	25.0
72.5°	21.1
75°	17.6
77.5°	14.2
80°	10.7
82.5°	7.8
85°	4.7
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)