

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: P582967

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

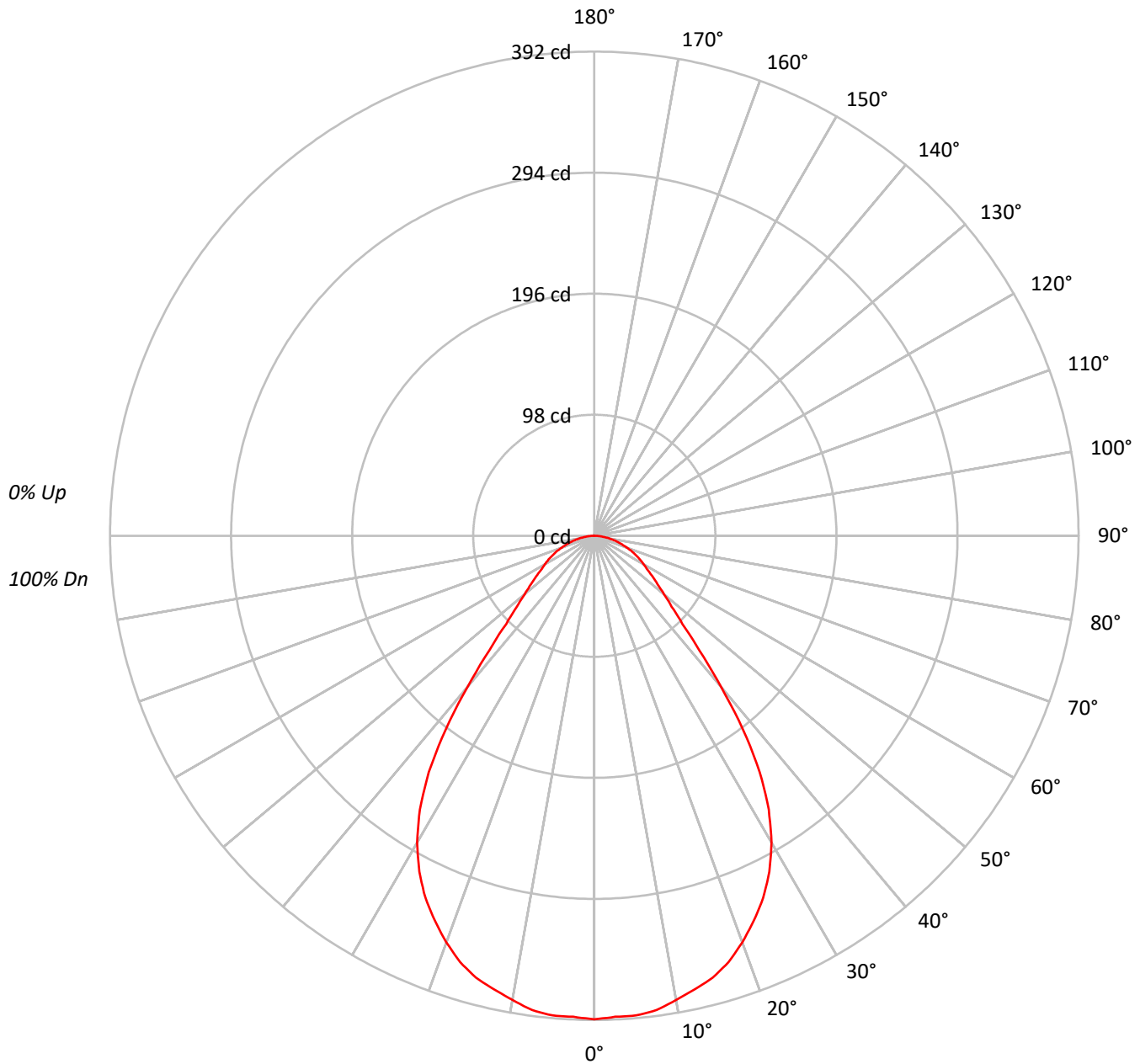
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21462
5°	21451
10°	21242
15°	21022
20°	20430
25°	19568
30°	18161
35°	15627
40°	11400
45°	7815
50°	6286
55°	5477
60°	5054
65°	4812
70°	4488
75°	4194
80°	3820
85°	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.0	5.9
10°-20°	104.0	16.5
20°-30°	148.0	23.5
30°-40°	142.4	22.6
40°-50°	82.0	13.0
50°-60°	51.9	8.3
60°-70°	36.8	5.9
70°-80°	21.0	3.3
80°-90°	6.0	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°	289.0	45.9
0°-40°	431.4	68.6
0°-60°	565.3	89.9
0°-90°	629.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	392	
5°	390	37
15°	370	104
25°	324	148
35°	234	142
45°	101	82
55°	57	52
65°	37	37
75°	20	21
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	391.5
2.5°	389.8
5°	389.8
7.5°	387.3
10°	381.6
12.5°	376.1
15°	370.4
17.5°	361.8
20°	350.2
22.5°	337.3
25°	323.5
27.5°	306.7
30°	286.9
32.5°	262.7
35°	233.5
37.5°	197.7
40°	159.3
42.5°	125.8
45°	100.8
47.5°	84.9
50°	73.7
52.5°	64.6
55°	57.3
57.5°	50.8
60°	46.1
62.5°	41.8
65°	37.1
67.5°	32.8
70°	28.0
72.5°	23.7
75°	19.8
77.5°	15.9
80°	12.1
82.5°	8.6
85°	5.2
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)