

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: P582968

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 677.7 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

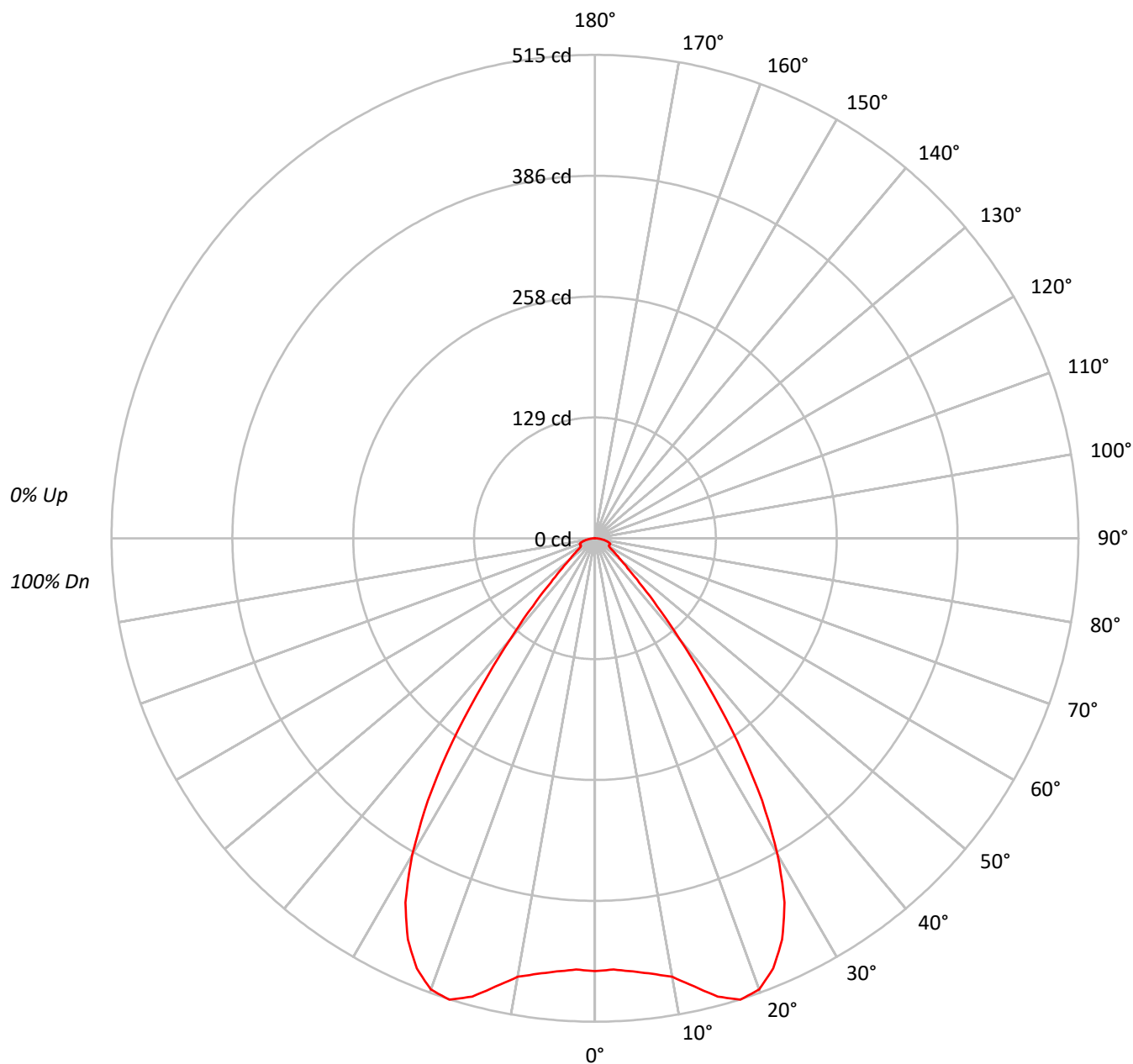
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	78	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25272
5°	25490
10°	26408
15°	28683
20°	29834
25°	28538
30°	24630
35°	17735
40°	9990
45°	5179
50°	3087
55°	2227
60°	1897
65°	2179
70°	2773
75°	2923
80°	2841
85°	2705



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	6.6
10°-20°	142.6	21.0
20°-30°	213.1	31.4
30°-40°	162.9	24.0
40°-50°	56.9	8.4
50°-60°	21.7	3.2
60°-70°	17.0	2.5
70°-80°	14.4	2.1
80°-90°	4.6	0.7
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°	400.2	59.1
0°-40°	563.1	83.1
0°-60°	641.7	94.7
0°-90°	677.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	461	
5°	463	45
15°	505	143
25°	472	213
35°	265	163
45°	67	57
55°	23	22
65°	17	17
75°	14	14
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	461.0
2.5°	459.8
5°	463.2
7.5°	467.9
10°	474.4
12.5°	489.1
15°	505.4
17.5°	515.4
20°	511.4
22.5°	496.0
25°	471.8
27.5°	437.3
30°	389.1
32.5°	331.3
35°	265.0
37.5°	196.5
40°	139.6
42.5°	97.9
45°	66.8
47.5°	47.0
50°	36.2
52.5°	28.5
55°	23.3
57.5°	19.0
60°	17.3
62.5°	16.8
65°	16.8
67.5°	17.6
70°	17.3
72.5°	15.9
75°	13.8
77.5°	11.6
80°	9.0
82.5°	6.4
85°	4.3
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)