

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: P592998

Luminaire Tested: **HC605D010-HM60525950-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P592998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525950-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575.9 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

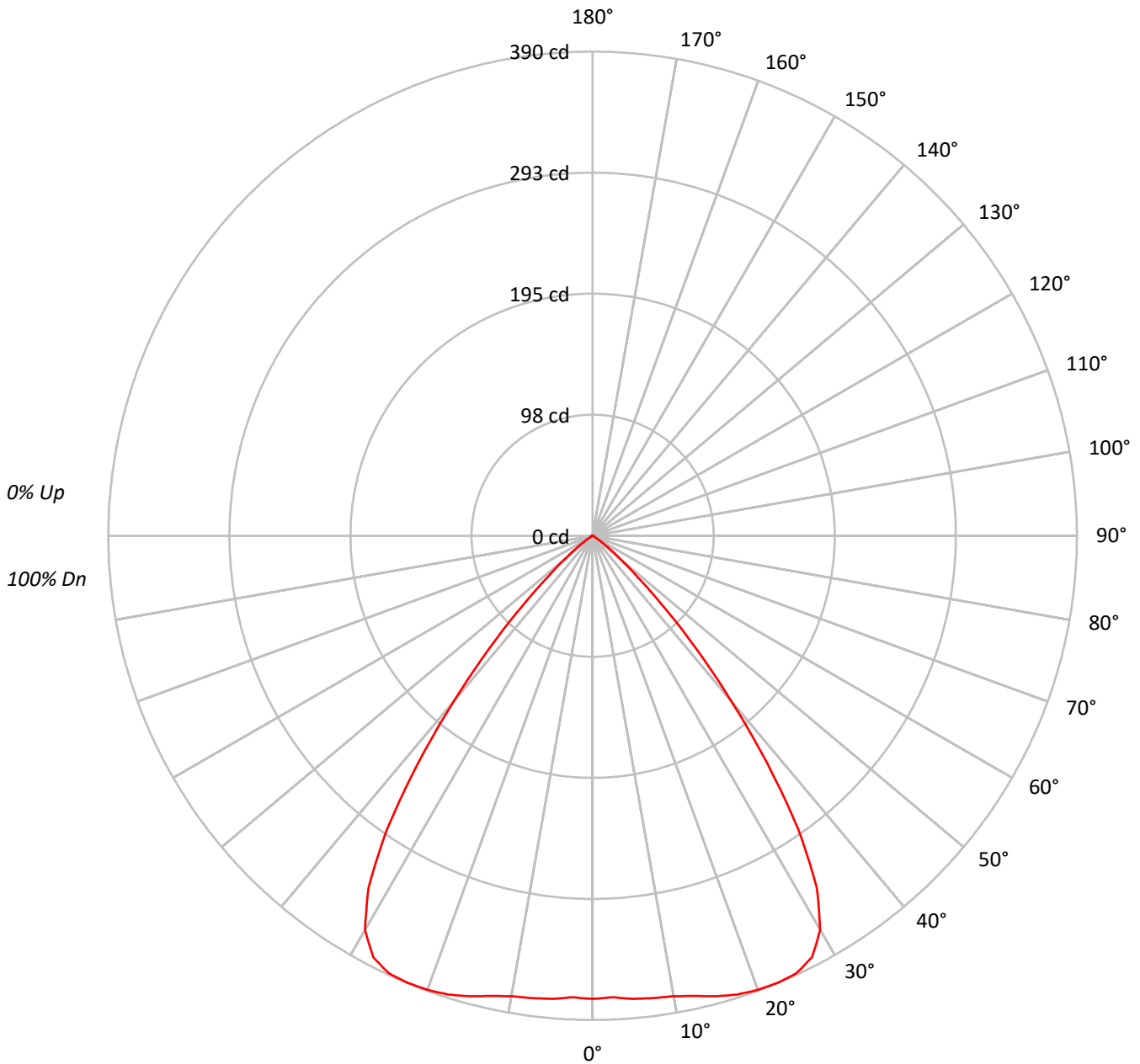
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P592998

CATALOG NUMBER: HC605D010-HM60525950-61WDBB

Luminous Intensity Polar Plot





TEST NUMBER: P592998

CATALOG NUMBER: HC605D010-HM60525950-61WDBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20	
RC	80				70				50				30				10				0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92				92
2	107	101	97	93	104	100	95	92	96	93	90	93	90	88	90	88	86	85				85
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71				71
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	73	69	66	65				65
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54				54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50				50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46				46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43				43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	20448
5°	20603
10°	20958
15°	21794
20°	22705
25°	23511
30°	23200
35°	19327
40°	12395
45°	6194
50°	2456
55°	832
60°	230
65°	182
70°	144
75°	191
80°	158
85°	0



TEST NUMBER: P592998

CATALOG NUMBER: HC605D010-HM60525950-61WDBB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	6.2
10°-20°	108.9	18.9
20°-30°	177.8	30.9
30°-40°	174.3	30.3
40°-50°	66.8	11.6
50°-60°	9.8	1.7
60°-70°	1.5	0.3
70°-80°	0.8	0.1
80°-90°	0.2	0.0
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°	322.5	56.0
0°-40°	496.8	86.3
0°-60°	573.4	99.6
0°-90°	575.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	373	
5°	374	36
15°	384	109
25°	389	178
35°	289	174
45°	80	67
55°	9	10
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P592998

CATALOG NUMBER: HC605D010-HM60525950-61WDBB

CANDELA DISTRIBUTION (FULL):

	0°
0°	373.0
2.5°	372.1
5°	374.4
7.5°	375.6
10°	376.5
12.5°	379.6
15°	384.0
17.5°	387.4
20°	389.2
22.5°	389.6
25°	388.7
27.5°	382.6
30°	366.5
32.5°	335.9
35°	288.8
37.5°	230.7
40°	173.2
42.5°	123.5
45°	79.9
47.5°	48.8
50°	28.8
52.5°	16.6
55°	8.7
57.5°	4.0
60°	2.1
62.5°	1.7
65°	1.4
67.5°	1.4
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)