

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: P592991

Luminaire Tested: **HC605D010-HM60525850-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P592991
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525850-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.1 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

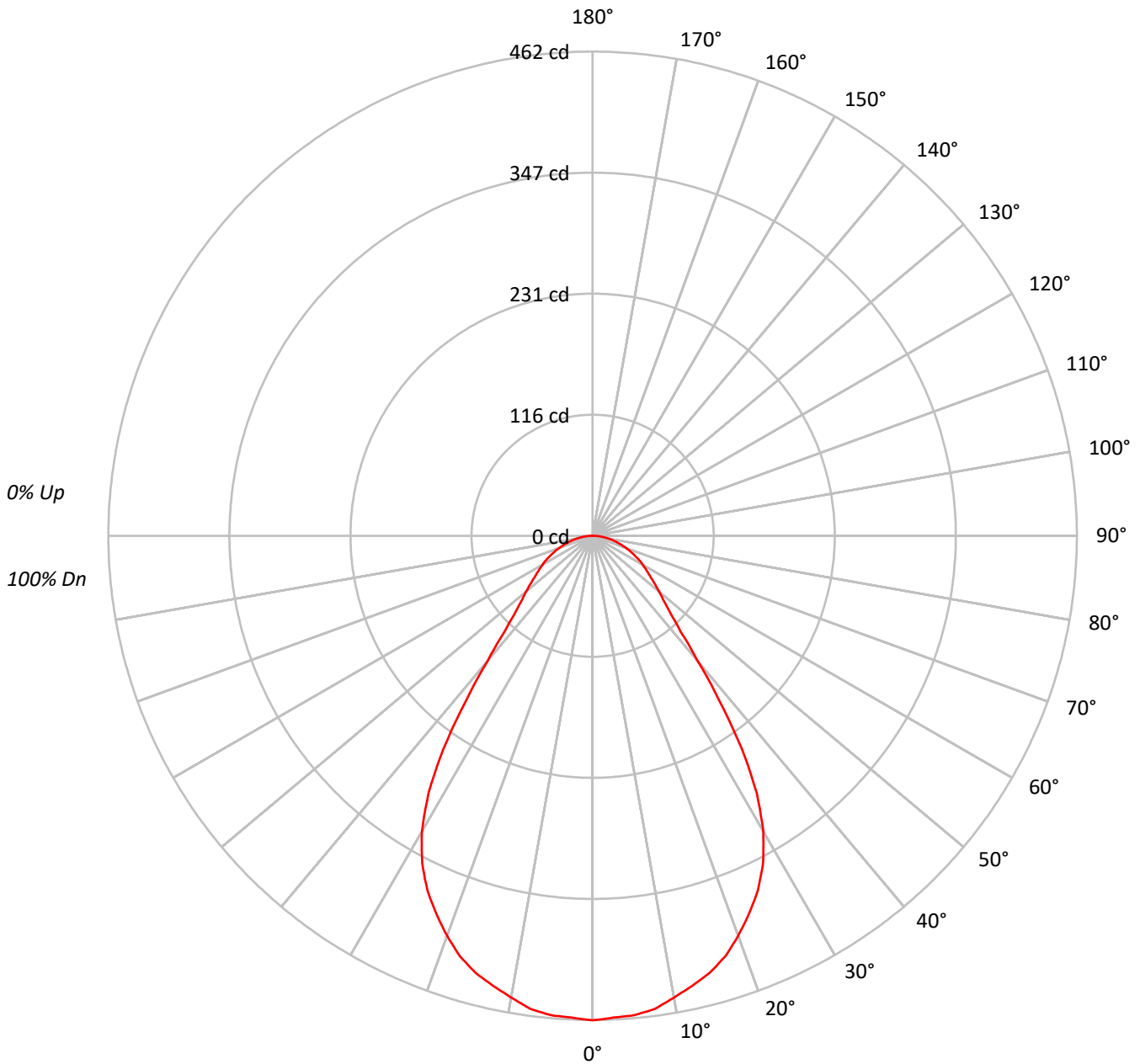
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P592991

CATALOG NUMBER: HC605D010-HM60525850-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P592991

CATALOG NUMBER: HC605D010-HM60525850-61PSMDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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			
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56			
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51			
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46			
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43			
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39			
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25343
5°	25270
10°	24899
15°	24501
20°	23691
25°	22568
30°	20611
35°	16590
40°	11185
45°	8156
50°	7045
55°	6365
60°	6041
65°	5720
70°	5386
75°	5105
80°	4735
85°	4403



TEST NUMBER: P592991

CATALOG NUMBER: HC605D010-HM60525850-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	6.1
10°-20°	121.2	17.1
20°-30°	170.3	24.0
30°-40°	151.6	21.4
40°-50°	84.7	12.0
50°-60°	60.4	8.5
60°-70°	43.9	6.2
70°-80°	25.5	3.6
80°-90°	7.9	1.1
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°	335.0	47.2
0°-40°	486.6	68.6
0°-60°	631.7	89.1
0°-90°	709.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	462	
5°	459	43
15°	432	121
25°	373	170
35°	248	152
45°	105	85
55°	67	60
65°	44	44
75°	24	25
85°	7	8
90°	0	



TEST NUMBER: P592991

CATALOG NUMBER: HC605D010-HM60525850-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	462.3
2.5°	460.2
5°	459.2
7.5°	455.3
10°	447.3
12.5°	439.7
15°	431.7
17.5°	420.7
20°	406.1
22.5°	390.1
25°	373.1
27.5°	352.1
30°	325.6
32.5°	291.4
35°	247.9
37.5°	198.8
40°	156.3
42.5°	124.8
45°	105.2
47.5°	92.1
50°	82.6
52.5°	74.1
55°	66.6
57.5°	60.6
60°	55.1
62.5°	50.1
65°	44.1
67.5°	39.1
70°	33.6
72.5°	28.6
75°	24.1
77.5°	19.5
80°	15.0
82.5°	11.1
85°	7.0
87.5°	3.5
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)