

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: P592992

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P592992
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-HM60525850-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 731.1 lumens
Efficiency: N/A
Efficacy: 121.8 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

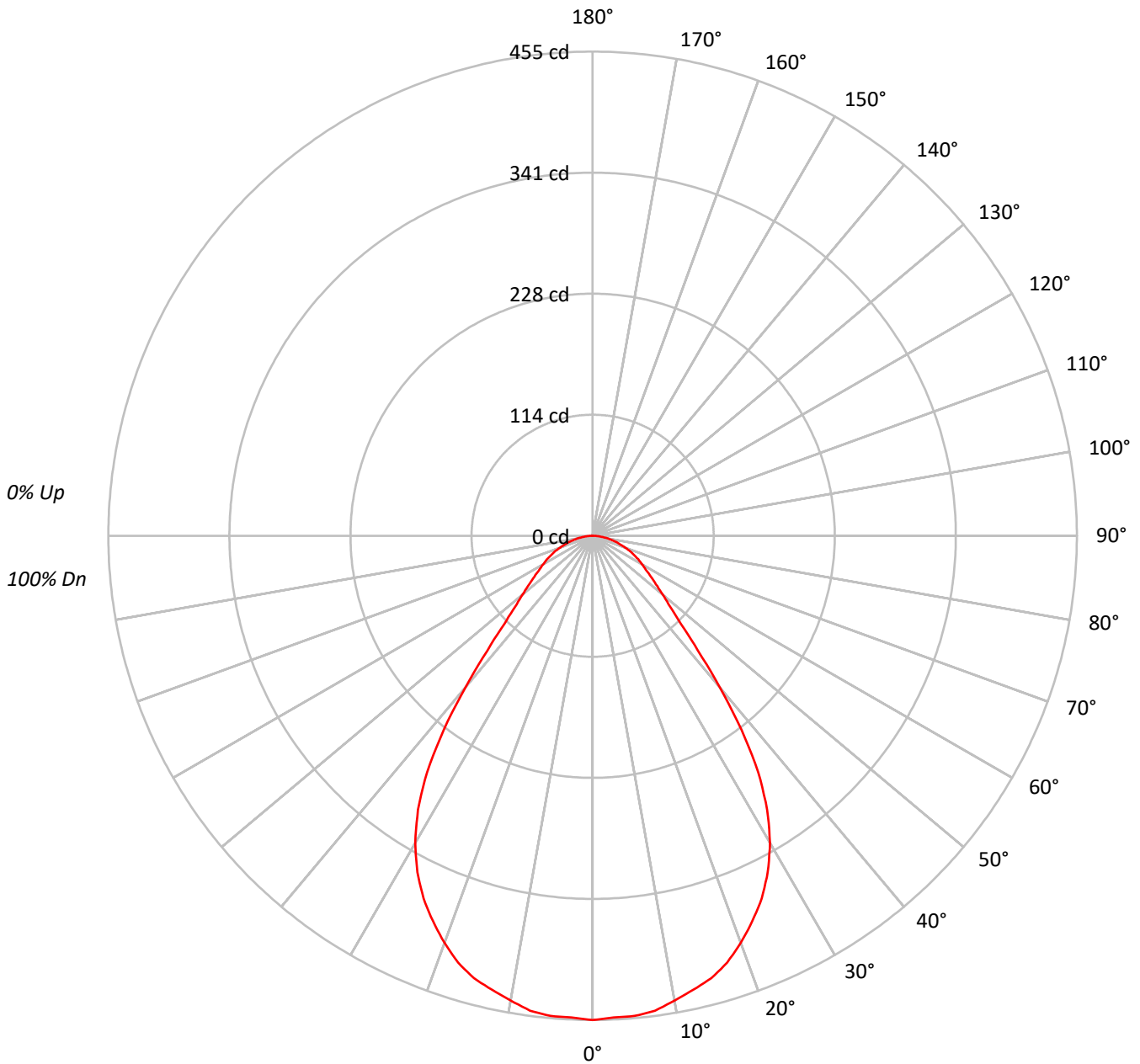
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P592992

CATALOG NUMBER: HC605D010-HM60525850-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P592992

CATALOG NUMBER: HC605D010-HM60525850-61WDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	24949
5°	24928
10°	24688
15°	24433
20°	23744
25°	22743
30°	21098
35°	18156
40°	13253
45°	9086
50°	7309
55°	6365
60°	5877
65°	5591
70°	5209
75°	4893
80°	4420
85°	3774



TEST NUMBER: P592992

CATALOG NUMBER: HC605D010-HM60525850-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	5.9
10°-20°	120.9	16.5
20°-30°	172.0	23.5
30°-40°	165.5	22.6
40°-50°	95.3	13.0
50°-60°	60.4	8.3
60°-70°	42.8	5.8
70°-80°	24.4	3.3
80°-90°	7.0	1.0
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°	335.8	45.9
0°-40°	501.3	68.6
0°-60°	657.0	89.9
0°-90°	731.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	731.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	455	
5°	453	43
15°	430	121
25°	376	172
35°	271	166
45°	117	95
55°	67	60
65°	43	43
75°	23	24
85°	6	7
90°	0	



TEST NUMBER: P592992

CATALOG NUMBER: HC605D010-HM60525850-61WDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	455.1
2.5°	453.0
5°	453.0
7.5°	450.1
10°	443.5
12.5°	437.0
15°	430.5
17.5°	420.5
20°	407.0
22.5°	392.0
25°	376.0
27.5°	356.4
30°	333.3
32.5°	305.3
35°	271.3
37.5°	229.7
40°	185.2
42.5°	146.2
45°	117.2
47.5°	98.6
50°	85.7
52.5°	75.0
55°	66.6
57.5°	59.1
60°	53.6
62.5°	48.6
65°	43.1
67.5°	38.1
70°	32.5
72.5°	27.6
75°	23.1
77.5°	18.5
80°	14.0
82.5°	10.1
85°	6.0
87.5°	2.5
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)