

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: P582895

Luminaire Tested: **HC605D010-HM60525835-61WDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582895  
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-HM60525835-61WDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 708.2 lumens  
Efficiency: N/A  
Efficacy: 118.0 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

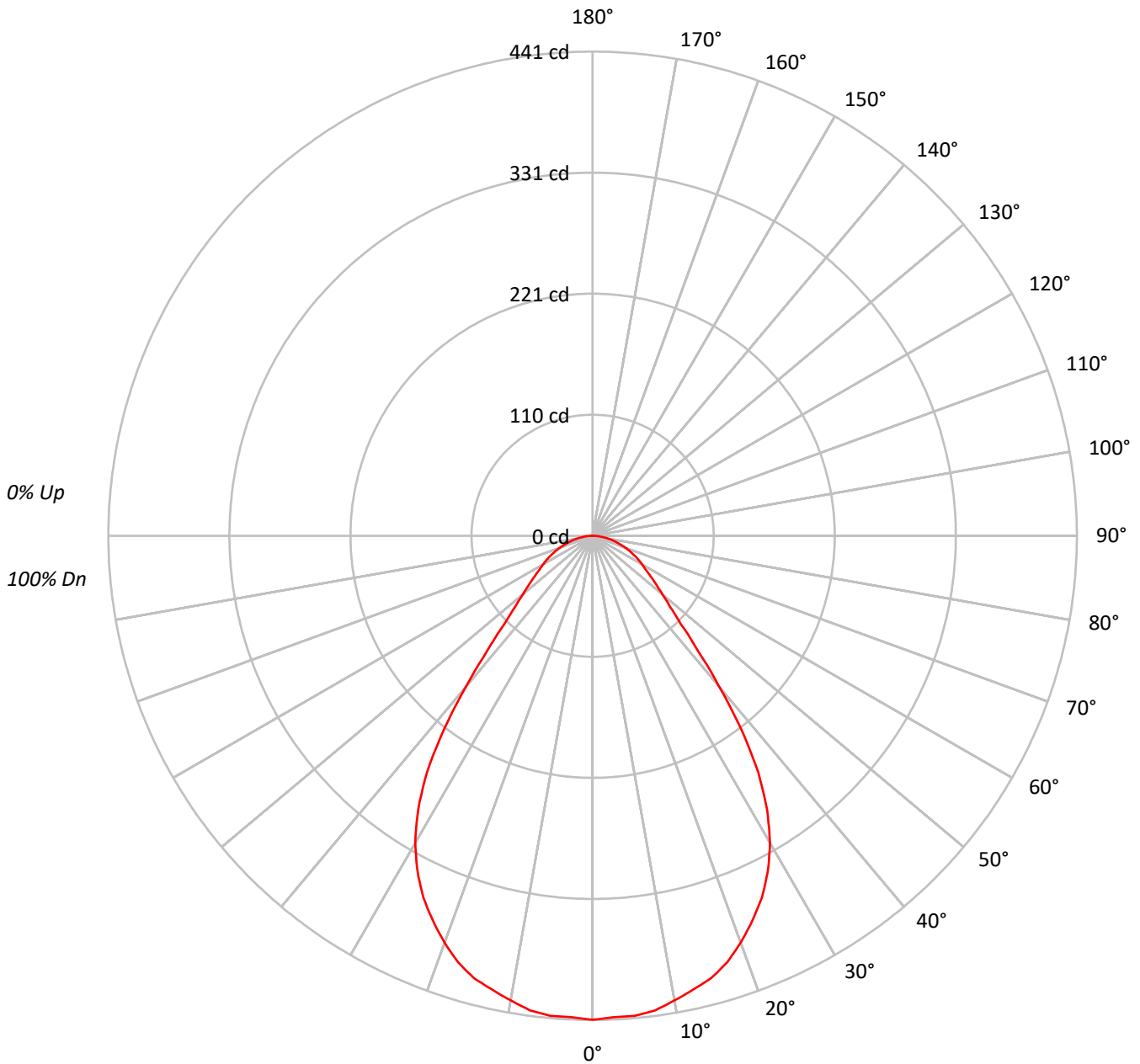
Input Watts (W): 6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P582895

CATALOG NUMBER: HC605D010-HM60525835-61WDW

### Luminous Intensity Polar Plot





TEST NUMBER: P582895

CATALOG NUMBER: HC605D010-HM60525835-61WDW

**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°	24165
5°	24152
10°	23920
15°	23672
20°	23003
25°	22029
30°	20446
35°	17587
40°	12838
45°	8799
50°	7070
55°	6165
60°	5690
65°	5409
70°	5049
75°	4723
80°	4293
85°	3711



TEST NUMBER: P582895

CATALOG NUMBER: HC605D010-HM60525835-61WDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	5.9
10°-20°	117.1	16.5
20°-30°	166.6	23.5
30°-40°	160.4	22.6
40°-50°	92.3	13.0
50°-60°	58.5	8.3
60°-70°	41.4	5.8
70°-80°	23.6	3.3
80°-90°	6.7	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°	325.3	45.9
0°-40°	485.7	68.6
0°-60°	636.4	89.9
0°-90°	708.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	708.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	441	
5°	439	42
15°	417	117
25°	364	167
35°	263	160
45°	114	92
55°	64	58
65°	42	41
75°	22	24
85°	6	7
90°	0	



TEST NUMBER: P582895

CATALOG NUMBER: HC605D010-HM60525835-61WDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	440.8
2.5°	438.9
5°	438.9
7.5°	436.0
10°	429.7
12.5°	423.4
15°	417.1
17.5°	407.4
20°	394.3
22.5°	379.7
25°	364.2
27.5°	345.3
30°	323.0
32.5°	295.8
35°	262.8
37.5°	222.6
40°	179.4
42.5°	141.6
45°	113.5
47.5°	95.5
50°	82.9
52.5°	72.8
55°	64.5
57.5°	57.2
60°	51.9
62.5°	47.0
65°	41.7
67.5°	36.8
70°	31.5
72.5°	26.7
75°	22.3
77.5°	18.0
80°	13.6
82.5°	9.7
85°	5.9
87.5°	2.4
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P







— 0°-180°







(END OF REPORT)