

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: P583321

Luminaire Tested: **HC607D010-HM60525835-61PSMDW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P583321  
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: HC607D010-HM60525835-61PSMDW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 909.2 lumens  
Efficiency: N/A  
Efficacy: 113.6 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

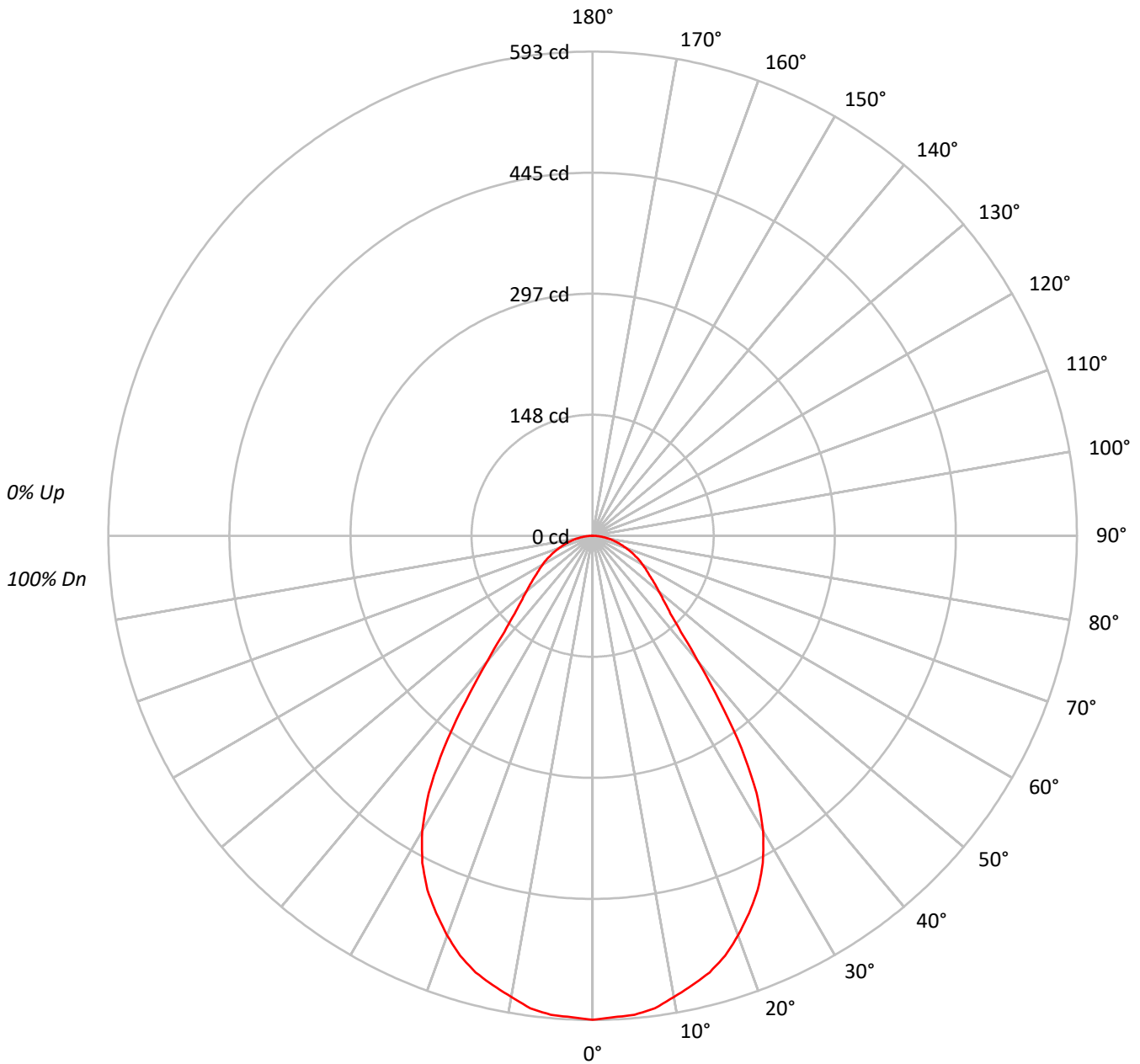
Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P583321

CATALOG NUMBER: HC607D010-HM60525835-61PSMDW

### Luminous Intensity Polar Plot





TEST NUMBER: P583321

CATALOG NUMBER: HC607D010-HM60525835-61PSMDW

**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°	32497
5°	32407
10°	31924
15°	31419
20°	30383
25°	28943
30°	26422
35°	21275
40°	14334
45°	10451
50°	9032
55°	8162
60°	7752
65°	7329
70°	6908
75°	6524
80°	6093
85°	5661



TEST NUMBER: P583321

CATALOG NUMBER: HC607D010-HM60525835-61PSMDW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.7	6.1
10°-20°	155.5	17.1
20°-30°	218.4	24.0
30°-40°	194.4	21.4
40°-50°	108.6	11.9
50°-60°	77.4	8.5
60°-70°	56.3	6.2
70°-80°	32.6	3.6
80°-90°	10.2	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°	429.6	47.3
0°-40°	624.0	68.6
0°-60°	810.1	89.1
0°-90°	909.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	909.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	593	
5°	589	56
15°	554	155
25°	478	218
35°	318	194
45°	135	109
55°	85	77
65°	56	56
75°	31	33
85°	9	10
90°	0	



TEST NUMBER: P583321

CATALOG NUMBER: HC607D010-HM60525835-61PSMDW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	592.8
2.5°	590.2
5°	588.9
7.5°	583.7
10°	573.5
12.5°	563.9
15°	553.6
17.5°	539.4
20°	520.8
22.5°	500.3
25°	478.5
27.5°	451.5
30°	417.4
32.5°	373.8
35°	317.9
37.5°	254.9
40°	200.3
42.5°	159.9
45°	134.8
47.5°	118.2
50°	105.9
52.5°	95.1
55°	85.4
57.5°	77.7
60°	70.7
62.5°	64.2
65°	56.5
67.5°	50.1
70°	43.1
72.5°	36.6
75°	30.8
77.5°	25.0
80°	19.3
82.5°	14.2
85°	9.0
87.5°	4.5
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P







— 0°-180°







(END OF REPORT)