

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: P583382

Luminaire Tested: **HC607D010-HM60525930-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525930-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 852.0 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

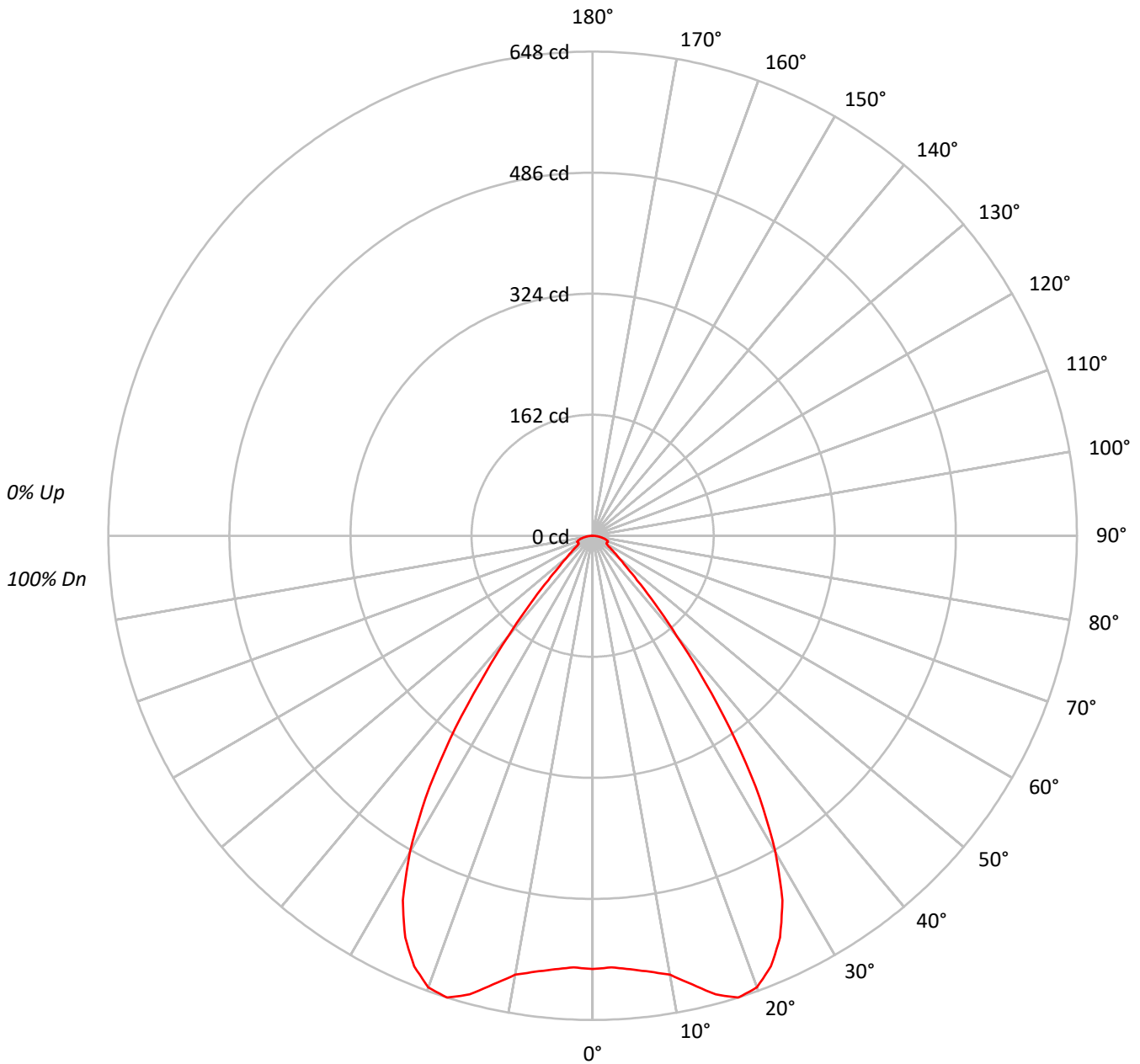
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583382

CATALOG NUMBER: HC607D010-HM60525930-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P583382

CATALOG NUMBER: HC607D010-HM60525930-61WDWB

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	76	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31785
5°	32049
10°	33205
15°	36067
20°	37517
25°	35881
30°	30967
35°	22299
40°	12559
45°	6512
50°	3880
55°	2791
60°	2368
65°	2737
70°	3462
75°	3664
80°	3567
85°	3397



TEST NUMBER: P583382

CATALOG NUMBER: HC607D010-HM60525930-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	6.6
10°-20°	179.2	21.0
20°-30°	267.9	31.4
30°-40°	204.8	24.0
40°-50°	71.5	8.4
50°-60°	27.2	3.2
60°-70°	21.3	2.5
70°-80°	18.1	2.1
80°-90°	5.8	0.7
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°	503.2	59.1
0°-40°	708.0	83.1
0°-60°	806.7	94.7
0°-90°	852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	852.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	580	
5°	582	56
15°	636	179
25°	593	268
35°	333	205
45°	84	72
55°	29	27
65°	21	21
75°	17	18
85°	5	6
90°	0	



TEST NUMBER: P583382

CATALOG NUMBER: HC607D010-HM60525930-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	579.8
2.5°	578.1
5°	582.4
7.5°	588.4
10°	596.5
12.5°	614.9
15°	635.5
17.5°	648.0
20°	643.1
22.5°	623.6
25°	593.2
27.5°	550.0
30°	489.2
32.5°	416.6
35°	333.2
37.5°	247.1
40°	175.5
42.5°	122.9
45°	84.0
47.5°	59.0
50°	45.5
52.5°	35.8
55°	29.2
57.5°	23.8
60°	21.6
62.5°	21.1
65°	21.1
67.5°	22.2
70°	21.6
72.5°	20.1
75°	17.3
77.5°	14.6
80°	11.3
82.5°	8.2
85°	5.4
87.5°	2.2
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)