

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: P581647

Luminaire Tested: **HC610D010-HM60525930-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581647
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: HC610D010-HM60525930-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 947.2 lumens
Efficiency: N/A
Efficacy: 95.7 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

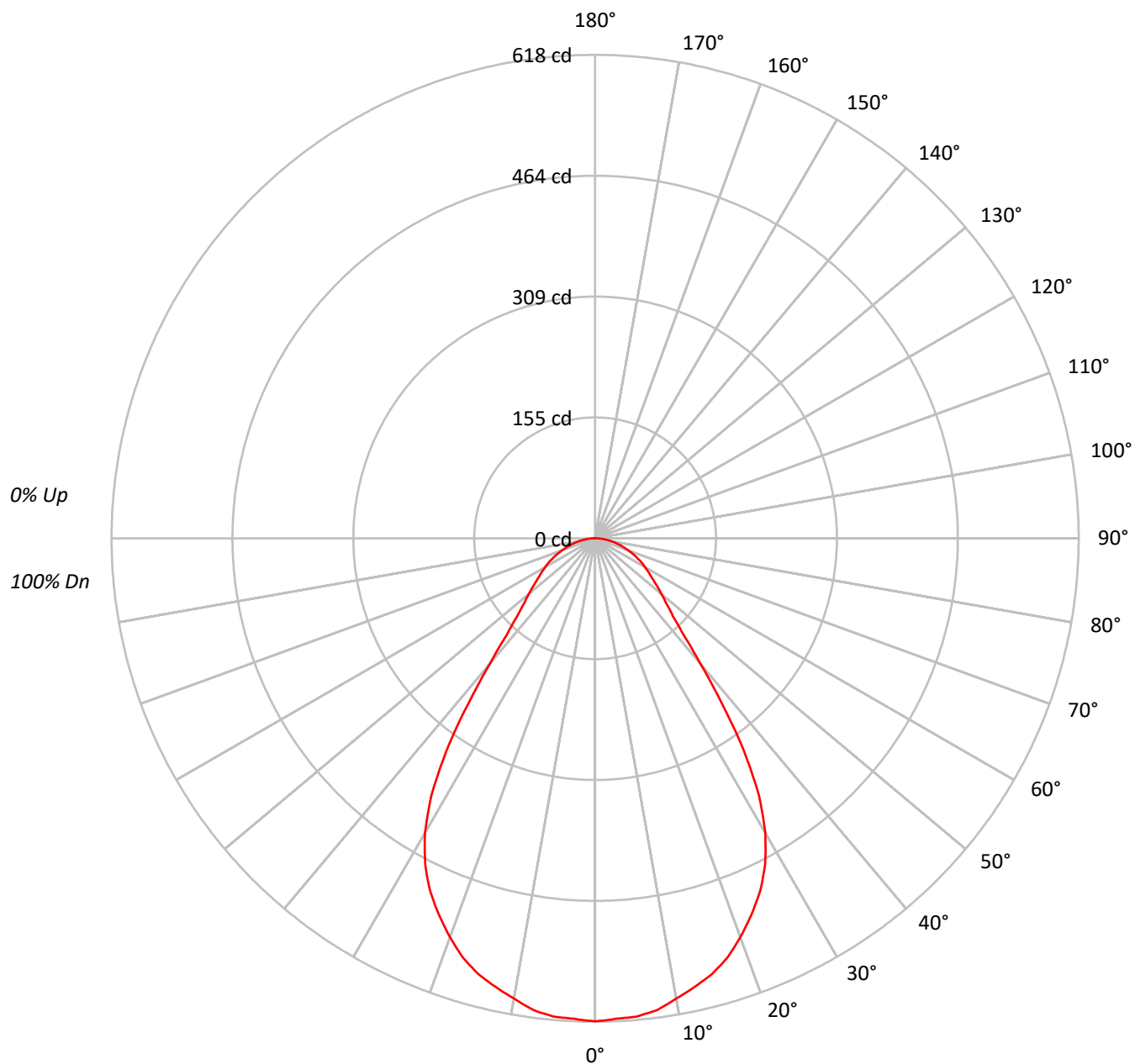
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581647

CATALOG NUMBER: HC610D010-HM60525930-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P581647

CATALOG NUMBER: HC610D010-HM60525930-61PSMDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	33857
5°	33772
10°	33266
15°	32741
20°	31660
25°	30153
30°	27530
35°	22165
40°	14935
45°	10893
50°	9415
55°	8506
60°	8070
65°	7640
70°	7181
75°	6799
80°	6314
85°	5913



TEST NUMBER: P581647

CATALOG NUMBER: HC610D010-HM60525930-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	6.1
10°-20°	162.0	17.1
20°-30°	227.6	24.0
30°-40°	202.6	21.4
40°-50°	113.2	12.0
50°-60°	80.6	8.5
60°-70°	58.7	6.2
70°-80°	33.9	3.6
80°-90°	10.5	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°	447.6	47.3
0°-40°	650.2	68.6
0°-60°	844.0	89.1
0°-90°	947.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	947.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	614	58
15°	577	162
25°	498	228
35°	331	203
45°	140	113
55°	89	81
65°	59	59
75°	32	34
85°	9	11
90°	0	



TEST NUMBER: P581647

CATALOG NUMBER: HC610D010-HM60525930-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	617.6
2.5°	614.9
5°	613.7
7.5°	608.2
10°	597.6
12.5°	587.5
15°	576.9
17.5°	562.0
20°	542.7
22.5°	521.3
25°	498.5
27.5°	470.5
30°	434.9
32.5°	389.4
35°	331.2
37.5°	265.7
40°	208.7
42.5°	166.6
45°	140.5
47.5°	123.2
50°	110.4
52.5°	99.0
55°	89.0
57.5°	80.9
60°	73.6
62.5°	66.9
65°	58.9
67.5°	52.2
70°	44.8
72.5°	38.1
75°	32.1
77.5°	26.1
80°	20.0
82.5°	14.7
85°	9.4
87.5°	4.6
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)