

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: P581628

Luminaire Tested: **HC610D010-HM60525927-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581628
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC610D010-HM60525927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 834.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

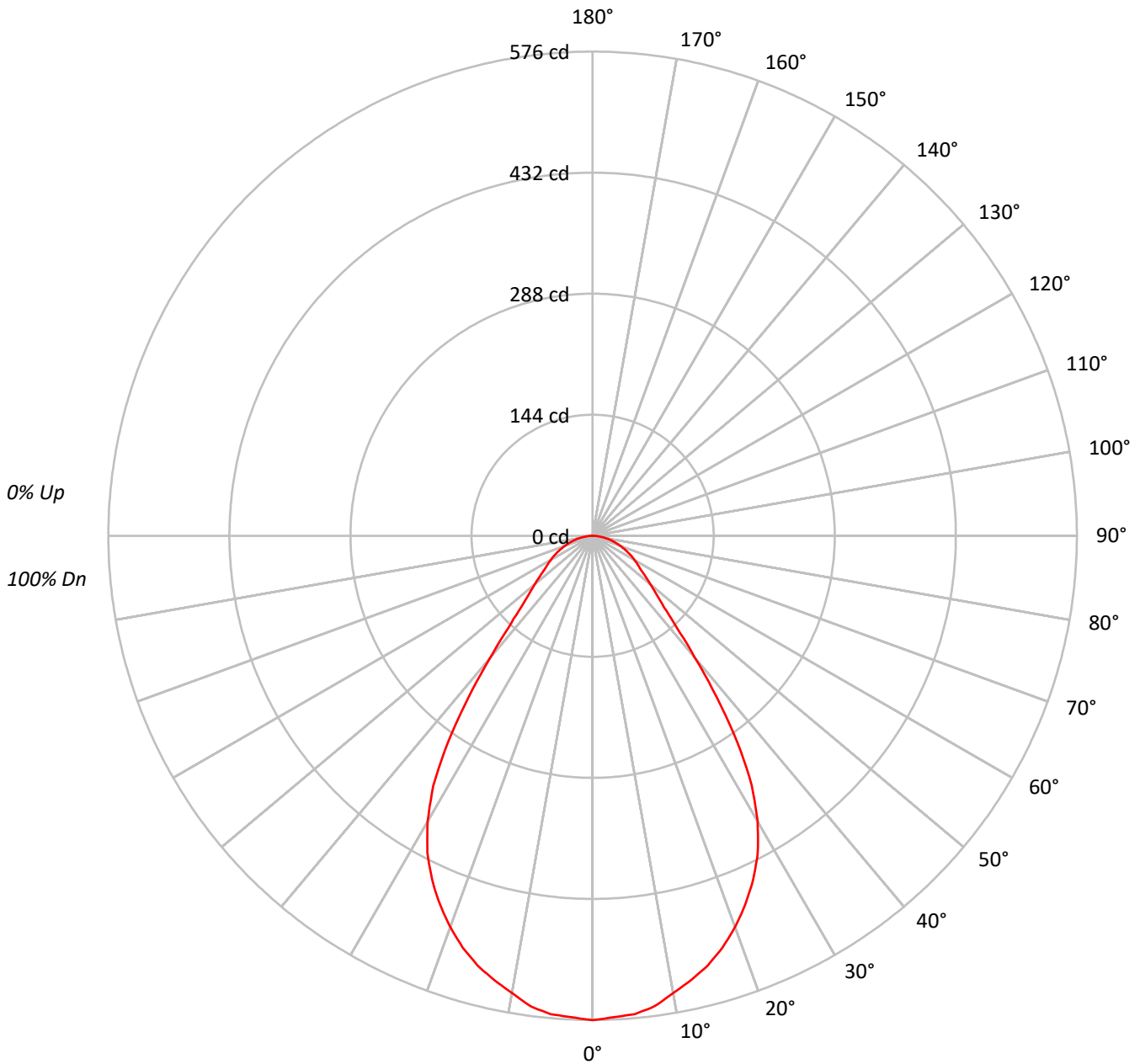
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581628

CATALOG NUMBER: HC610D010-HM60525927-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P581628

CATALOG NUMBER: HC610D010-HM60525927-61NDW

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	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79	79	79	79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	70	70	70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63	63	63	63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57	57	57	57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52	52	52	52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48	48	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44	44	44	44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41	41	41	41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38	38	38	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31593
5°	31438
10°	30744
15°	30029
20°	28901
25°	27328
30°	24839
35°	20104
40°	13554
45°	9311
50°	7633
55°	6671
60°	6315
65°	5967
70°	5610
75°	5316
80°	4830
85°	4277



TEST NUMBER: P581628

CATALOG NUMBER: HC610D010-HM60525927-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	6.5
10°-20°	148.6	17.8
20°-30°	206.4	24.7
30°-40°	183.8	22.0
40°-50°	97.5	11.7
50°-60°	63.8	7.6
60°-70°	45.7	5.5
70°-80°	26.5	3.2
80°-90°	7.8	0.9
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°	408.9	49.0
0°-40°	592.7	71.1
0°-60°	754.0	90.4
0°-90°	834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	576	
5°	571	54
15°	529	149
25°	452	206
35°	300	184
45°	120	98
55°	70	64
65°	46	46
75°	25	27
85°	7	8
90°	0	



TEST NUMBER: P581628

CATALOG NUMBER: HC610D010-HM60525927-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	576.3
2.5°	573.2
5°	571.3
7.5°	564.6
10°	552.3
12.5°	541.3
15°	529.1
17.5°	513.7
20°	495.4
22.5°	474.5
25°	451.8
27.5°	425.4
30°	392.4
32.5°	352.5
35°	300.4
37.5°	242.8
40°	189.4
42.5°	147.2
45°	120.1
47.5°	102.3
50°	89.5
52.5°	79.1
55°	69.8
57.5°	63.2
60°	57.6
62.5°	52.1
65°	46.0
67.5°	40.4
70°	35.0
72.5°	30.0
75°	25.1
77.5°	20.3
80°	15.3
82.5°	11.0
85°	6.8
87.5°	3.1
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)