

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: P583104

Luminaire Tested: **HC655D010-HM64560935-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583104
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: HC655D010-HM64560935-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4626.6 lumens
Efficiency: N/A
Efficacy: 89.0 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

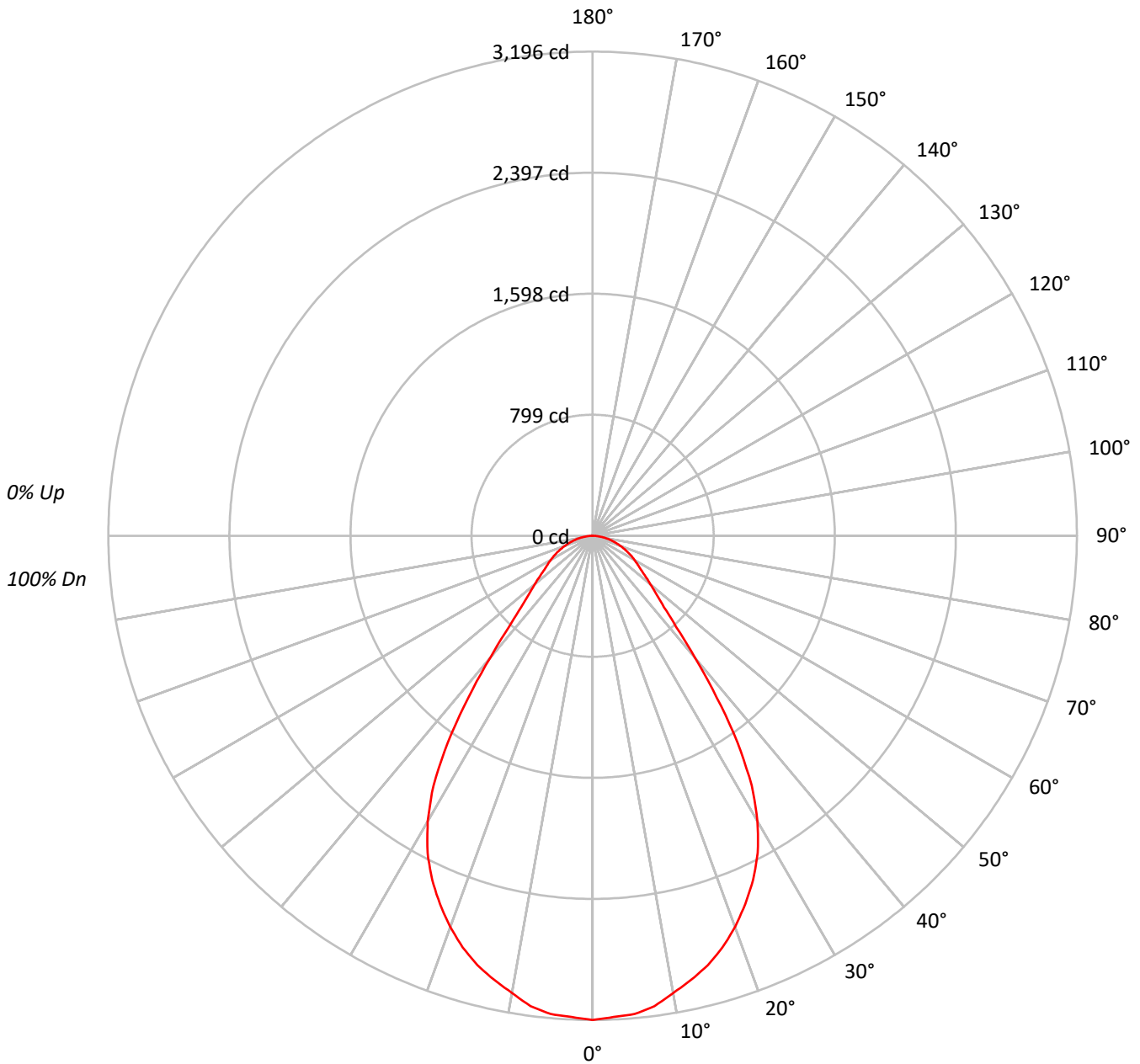
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583104

CATALOG NUMBER: HC655D010-HM64560935-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P583104

CATALOG NUMBER: HC655D010-HM64560935-61NDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89				89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79				79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70				70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63				63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57				57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52				52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48				48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44				44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41				41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38				38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	175233
5°	174405
10°	170555
15°	166556
20°	160291
25°	151593
30°	137768
35°	111514
40°	75191
45°	51672
50°	42344
55°	37055
60°	35041
65°	33090
70°	31063
75°	29547
80°	26866
85°	23524



TEST NUMBER: P583104

CATALOG NUMBER: HC655D010-HM64560935-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.2	6.5
10°-20°	824.1	17.8
20°-30°	1145.0	24.7
30°-40°	1019.4	22.0
40°-50°	541.1	11.7
50°-60°	353.9	7.6
60°-70°	253.6	5.5
70°-80°	147.1	3.2
80°-90°	43.0	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°	2268.3	49.0
0°-40°	3287.7	71.1
0°-60°	4182.8	90.4
0°-90°	4626.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4626.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3196	
5°	3169	299
15°	2935	824
25°	2506	1145
35°	1666	1019
45°	666	541
55°	388	354
65°	255	254
75°	140	147
85°	37	43
90°	0	



TEST NUMBER: P583104

CATALOG NUMBER: HC655D010-HM64560935-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3196.5
2.5°	3179.4
5°	3169.3
7.5°	3131.9
10°	3063.9
12.5°	3002.7
15°	2934.7
17.5°	2849.6
20°	2747.6
22.5°	2632.1
25°	2506.2
27.5°	2360.0
30°	2176.4
32.5°	1955.3
35°	1666.3
37.5°	1346.6
40°	1050.7
42.5°	816.2
45°	666.5
47.5°	567.8
50°	496.5
52.5°	438.7
55°	387.7
57.5°	350.3
60°	319.6
62.5°	289.0
65°	255.1
67.5°	224.4
70°	193.8
72.5°	166.6
75°	139.5
77.5°	112.3
80°	85.1
82.5°	61.2
85°	37.4
87.5°	17.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)