

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: P583111

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC655D010-HM64560935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4963.0 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

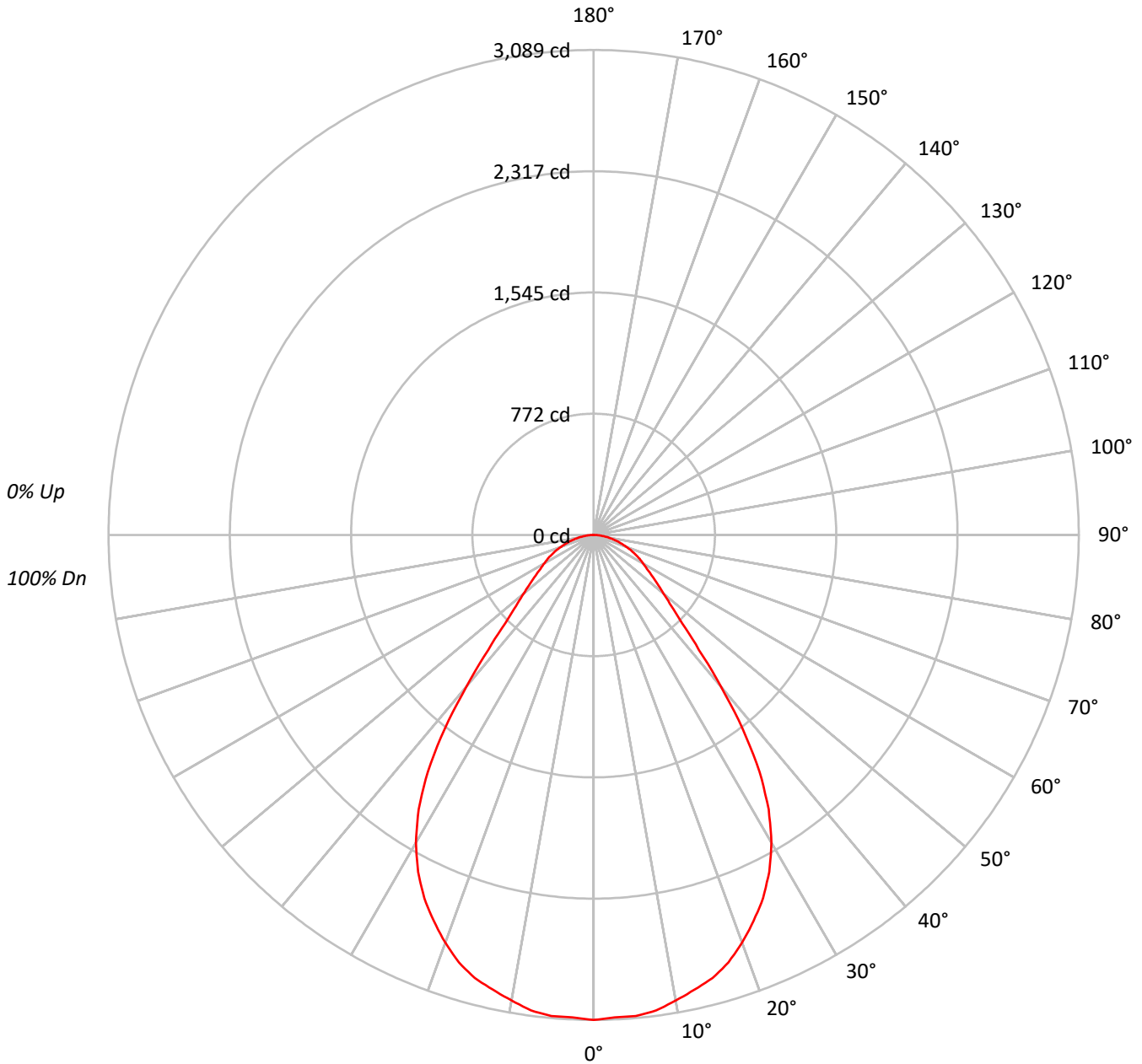
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583111

CATALOG NUMBER: HC655D010-HM64560935-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P583111

CATALOG NUMBER: HC655D010-HM64560935-61WDW

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
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78			78
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69			69
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62			62
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56			56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51			51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42			42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39			39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169361
5°	169260
10°	167621
15°	165881
20°	161195
25°	154388
30°	143288
35°	123272
40°	89990
45°	61658
50°	49568
55°	43200
60°	39876
65°	37916
70°	35407
75°	33127
80°	30023
85°	25663



TEST NUMBER: P583111

CATALOG NUMBER: HC655D010-HM64560935-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.6	5.9
10°-20°	820.9	16.5
20°-30°	1167.5	23.5
30°-40°	1124.0	22.6
40°-50°	646.7	13.0
50°-60°	409.8	8.3
60°-70°	290.1	5.8
70°-80°	165.4	3.3
80°-90°	47.2	1.0
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°	2279.9	45.9
0°-40°	3403.9	68.6
0°-60°	4460.4	89.9
0°-90°	4963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4963.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3089	
5°	3076	292
15°	2923	821
25°	2552	1167
35°	1842	1124
45°	795	647
55°	452	410
65°	292	290
75°	156	165
85°	41	47
90°	0	



TEST NUMBER: P583111

CATALOG NUMBER: HC655D010-HM64560935-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3089.4
2.5°	3075.8
5°	3075.8
7.5°	3055.5
10°	3011.2
12.5°	2967.1
15°	2922.8
17.5°	2854.9
20°	2763.1
22.5°	2661.2
25°	2552.4
27.5°	2419.8
30°	2263.6
32.5°	2073.2
35°	1842.0
37.5°	1560.0
40°	1257.5
42.5°	992.4
45°	795.3
47.5°	669.6
50°	581.2
52.5°	509.8
55°	452.0
57.5°	401.0
60°	363.7
62.5°	329.7
65°	292.3
67.5°	258.2
70°	220.9
72.5°	186.9
75°	156.4
77.5°	125.8
80°	95.1
82.5°	68.0
85°	40.8
87.5°	17.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)