

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: P582996

Luminaire Tested: **HC655D010-HM64560827-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582996
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-HM64560827-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4603.2 lumens
Efficiency: N/A
Efficacy: 88.5 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

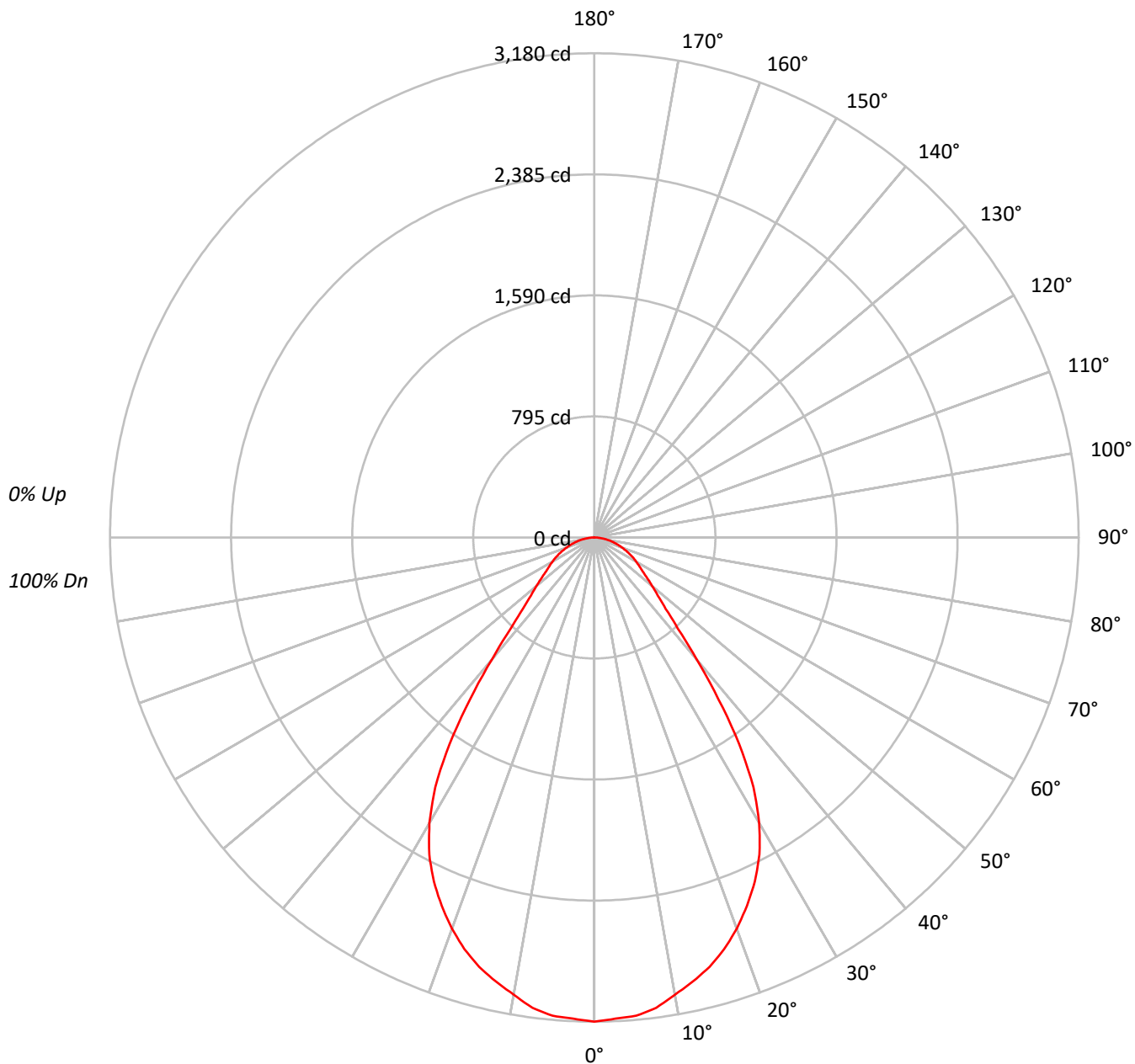
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582996

CATALOG NUMBER: HC655D010-HM64560827-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582996

CATALOG NUMBER: HC655D010-HM64560827-61NDW

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	62	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174350
5°	173525
10°	169692
15°	165716
20°	159486
25°	150825
30°	137072
35°	110952
40°	74812
45°	51416
50°	42131
55°	36864
60°	34866
65°	32922
70°	30903
75°	29399
80°	26708
85°	23461



TEST NUMBER: P582996

CATALOG NUMBER: HC655D010-HM64560827-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	6.5
10°-20°	820.0	17.8
20°-30°	1139.2	24.7
30°-40°	1014.3	22.0
40°-50°	538.4	11.7
50°-60°	352.1	7.6
60°-70°	252.4	5.5
70°-80°	146.3	3.2
80°-90°	42.8	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°	2256.8	49.0
0°-40°	3271.1	71.1
0°-60°	4161.7	90.4
0°-90°	4603.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4603.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3180	
5°	3153	298
15°	2920	820
25°	2494	1139
35°	1658	1014
45°	663	538
55°	386	352
65°	254	252
75°	139	146
85°	37	43
90°	0	



TEST NUMBER: P582996

CATALOG NUMBER: HC655D010-HM64560827-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3180.4
2.5°	3163.5
5°	3153.3
7.5°	3116.0
10°	3048.4
12.5°	2987.5
15°	2919.9
17.5°	2835.3
20°	2733.8
22.5°	2618.7
25°	2493.5
27.5°	2348.0
30°	2165.4
32.5°	1945.4
35°	1657.9
37.5°	1339.9
40°	1045.4
42.5°	812.0
45°	663.2
47.5°	565.0
50°	494.0
52.5°	436.4
55°	385.7
57.5°	348.5
60°	318.0
62.5°	287.6
65°	253.8
67.5°	223.4
70°	192.8
72.5°	165.7
75°	138.8
77.5°	111.7
80°	84.6
82.5°	60.9
85°	37.3
87.5°	16.9
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)