

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: P582993

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC655D010-HM64560827-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4670.7 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

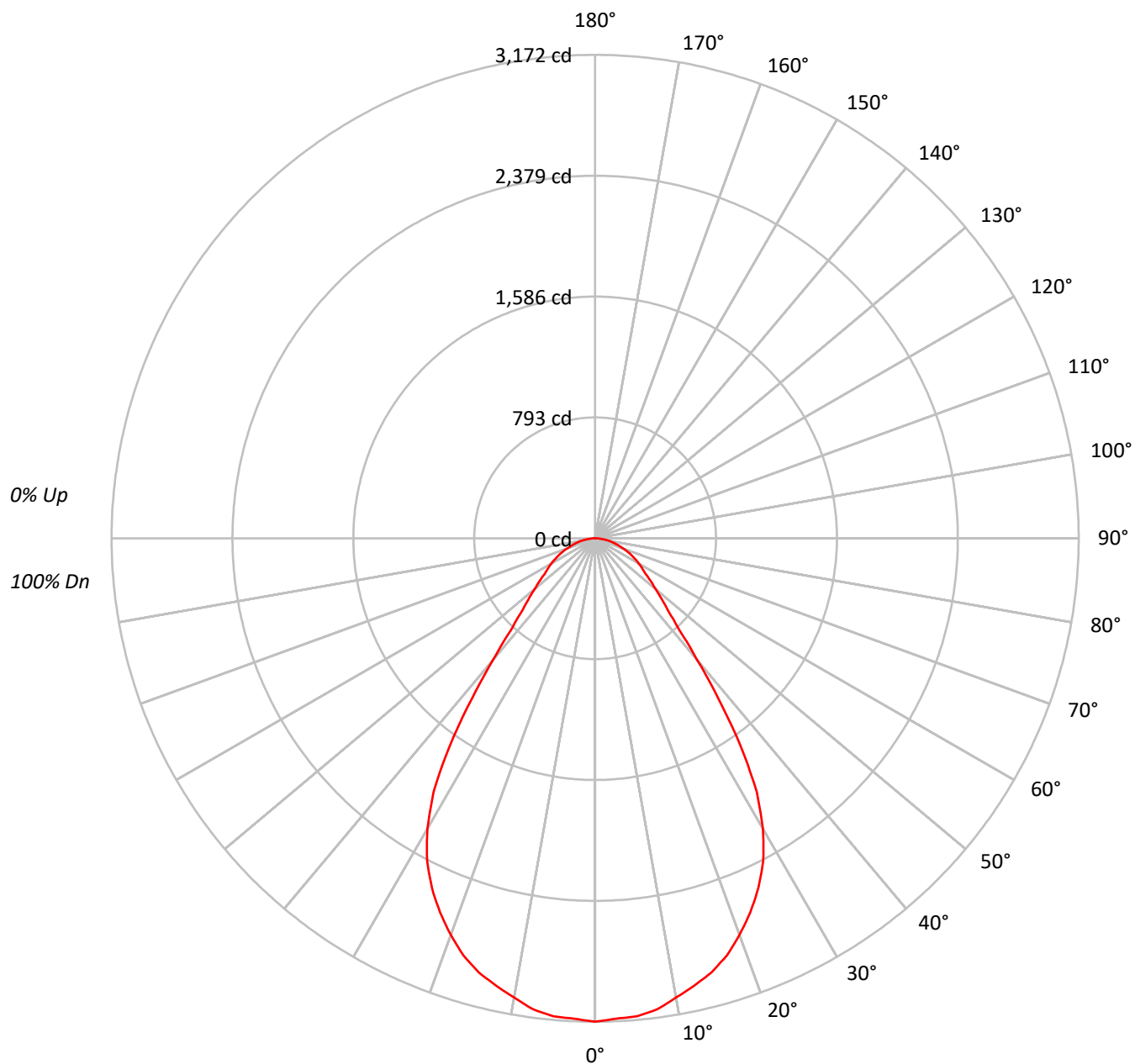
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582993

CATALOG NUMBER: HC655D010-HM64560827-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582993

CATALOG NUMBER: HC655D010-HM64560827-61MDW

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	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	173873
5°	173239
10°	170343
15°	167339
20°	161557
25°	153196
30°	139338
35°	111340
40°	74289
45°	52959
50°	44118
55°	38450
60°	36335
65°	34206
70°	31432
75°	29357
80°	26708
85°	23336



TEST NUMBER: P582993

CATALOG NUMBER: HC655D010-HM64560827-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	6.4
10°-20°	827.9	17.7
20°-30°	1156.9	24.8
30°-40°	1019.1	21.8
40°-50°	550.6	11.8
50°-60°	368.1	7.9
60°-70°	260.9	5.6
70°-80°	146.7	3.1
80°-90°	42.7	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°	2282.5	48.9
0°-40°	3301.7	70.7
0°-60°	4220.4	90.4
0°-90°	4670.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4670.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3172	
5°	3148	298
15°	2948	828
25°	2533	1157
35°	1664	1019
45°	683	551
55°	402	368
65°	264	261
75°	139	147
85°	37	43
90°	0	



TEST NUMBER: P582993

CATALOG NUMBER: HC655D010-HM64560827-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3171.7
2.5°	3154.8
5°	3148.1
7.5°	3117.6
10°	3060.1
12.5°	3006.0
15°	2948.5
17.5°	2870.8
20°	2769.3
22.5°	2657.7
25°	2532.7
27.5°	2387.3
30°	2201.2
32.5°	1971.4
35°	1663.7
37.5°	1328.9
40°	1038.1
42.5°	818.3
45°	683.1
47.5°	591.7
50°	517.3
52.5°	456.5
55°	402.3
57.5°	365.2
60°	331.4
62.5°	297.5
65°	263.7
67.5°	230.0
70°	196.1
72.5°	165.7
75°	138.6
77.5°	111.6
80°	84.6
82.5°	60.8
85°	37.1
87.5°	16.9
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)