

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: P583033

Luminaire Tested: **HC655D010-HM64560835-61PSMDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583033
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC655D010-HM64560835-61PSMDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" PLASTIC TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5404.0 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.09 / 1.04
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

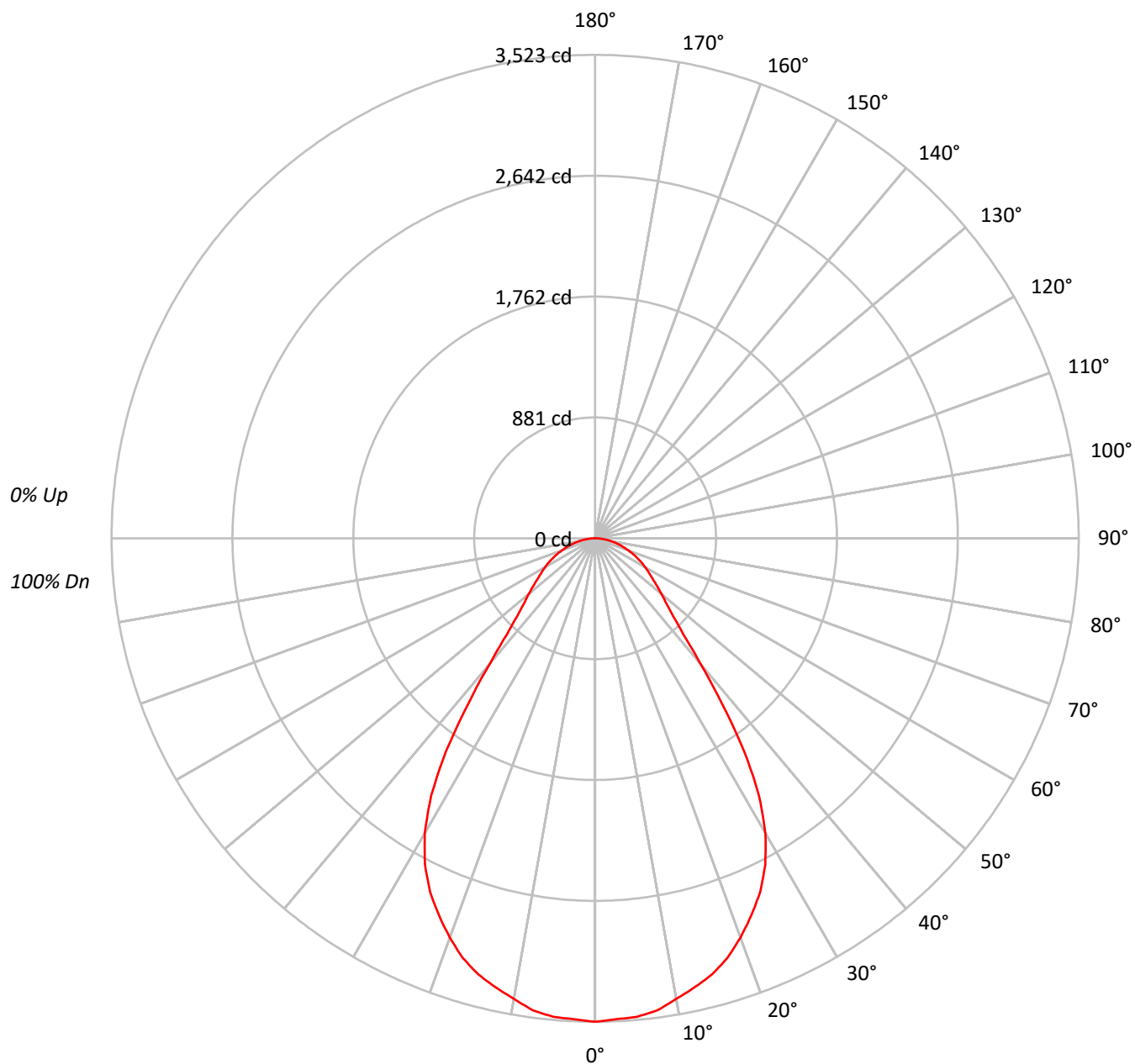
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P583033

CATALOG NUMBER: HC655D010-HM64560835-61PSMDW

Luminous Intensity Polar Plot





TEST NUMBER: P583033

CATALOG NUMBER: HC655D010-HM64560835-61PSMDW

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	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88	
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78	
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69	
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62	
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	62	58	56	
6	78	67	59	54	77	66	59	54	64	58	53	63	57	53	61	56	53	51	
7	73	62	54	49	72	61	54	49	60	53	49	58	53	48	57	52	48	46	
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43	
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39	
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193148
5°	192631
10°	189754
15°	186749
20°	180604
25°	172020
30°	157062
35°	126458
40°	85231
45°	62146
50°	53713
55°	48524
60°	46027
65°	43584
70°	41001
75°	38803
80°	36147
85°	33651



TEST NUMBER: P583033

CATALOG NUMBER: HC655D010-HM64560835-61PSMDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.3	6.1
10°-20°	924.0	17.1
20°-30°	1298.3	24.0
30°-40°	1155.6	21.4
40°-50°	645.8	12.0
50°-60°	460.1	8.5
60°-70°	334.8	6.2
70°-80°	193.8	3.6
80°-90°	60.3	1.1
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°	2553.6	47.3
0°-40°	3709.2	68.6
0°-60°	4815.1	89.1
0°-90°	5404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5404.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3523	
5°	3500	331
15°	3290	924
25°	2844	1298
35°	1890	1156
45°	802	646
55°	508	460
65°	336	335
75°	183	194
85°	54	60
90°	0	



TEST NUMBER: P583033

CATALOG NUMBER: HC655D010-HM64560835-61PSMDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	3523.3
2.5°	3508.1
5°	3500.5
7.5°	3470.0
10°	3408.8
12.5°	3351.6
15°	3290.5
17.5°	3206.5
20°	3095.8
22.5°	2973.7
25°	2843.9
27.5°	2683.5
30°	2481.2
32.5°	2221.7
35°	1889.6
37.5°	1515.4
40°	1191.0
42.5°	950.5
45°	801.6
47.5°	702.3
50°	629.8
52.5°	565.0
55°	507.7
57.5°	461.8
60°	419.8
62.5°	381.8
65°	336.0
67.5°	297.8
70°	255.8
72.5°	217.6
75°	183.2
77.5°	148.8
80°	114.5
82.5°	84.0
85°	53.5
87.5°	26.7
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)