

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: P582021

Luminaire Tested: **HC625D010-HM60525835-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582021
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: HC625D010-HM60525835-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2504.8 lumens
Efficiency: N/A
Efficacy: 93.5 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

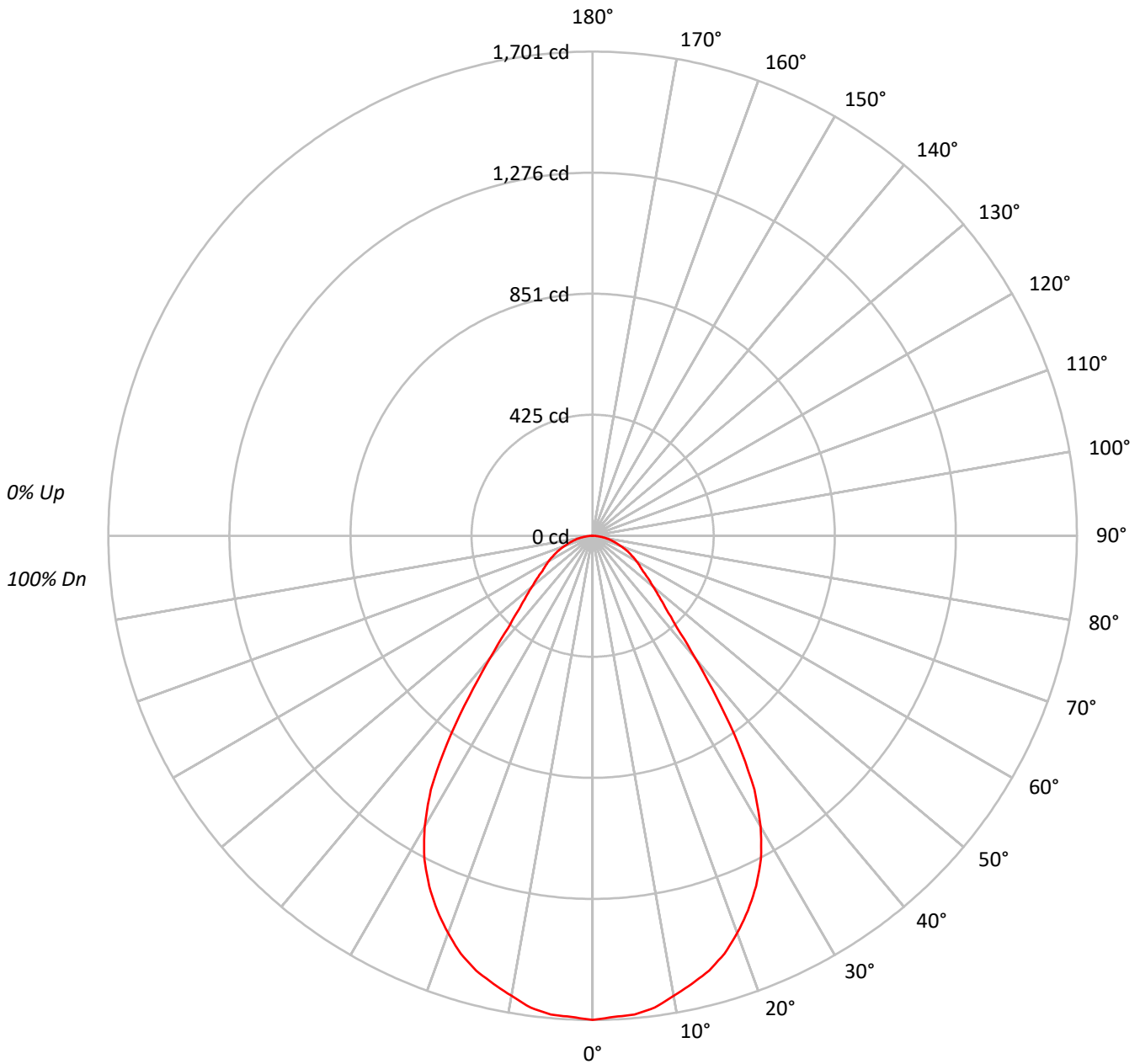
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582021

CATALOG NUMBER: HC625D010-HM60525835-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582021

CATALOG NUMBER: HC625D010-HM60525835-61MDW

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	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	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93244
5°	92906
10°	91353
15°	89745
20°	86644
25°	82160
30°	74727
35°	59702
40°	39839
45°	28398
50°	23658
55°	20625
60°	19483
65°	18355
70°	16846
75°	15737
80°	14333
85°	12517



TEST NUMBER: P582021

CATALOG NUMBER: HC625D010-HM60525835-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	6.4
10°-20°	444.0	17.7
20°-30°	620.4	24.8
30°-40°	546.5	21.8
40°-50°	295.3	11.8
50°-60°	197.4	7.9
60°-70°	139.9	5.6
70°-80°	78.7	3.1
80°-90°	22.9	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°	1224.1	48.9
0°-40°	1770.6	70.7
0°-60°	2263.3	90.4
0°-90°	2504.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2504.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1701	
5°	1688	160
15°	1581	444
25°	1358	620
35°	892	547
45°	366	295
55°	216	197
65°	142	140
75°	74	79
85°	20	23
90°	0	



TEST NUMBER: P582021

CATALOG NUMBER: HC625D010-HM60525835-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1700.9
2.5°	1691.9
5°	1688.3
7.5°	1671.9
10°	1641.1
12.5°	1612.1
15°	1581.3
17.5°	1539.6
20°	1485.2
22.5°	1425.3
25°	1358.3
27.5°	1280.2
30°	1180.5
32.5°	1057.2
35°	892.1
37.5°	712.7
40°	556.7
42.5°	438.8
45°	366.3
47.5°	317.4
50°	277.4
52.5°	244.8
55°	215.8
57.5°	195.8
60°	177.7
62.5°	159.6
65°	141.5
67.5°	123.3
70°	105.1
72.5°	88.8
75°	74.3
77.5°	59.9
80°	45.4
82.5°	32.7
85°	19.9
87.5°	9.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)