

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: P581995

Luminaire Tested: **HC625D010-HM60525827-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581995
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: HC625D010-HM60525827-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2423.4 lumens
Efficiency: N/A
Efficacy: 90.4 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

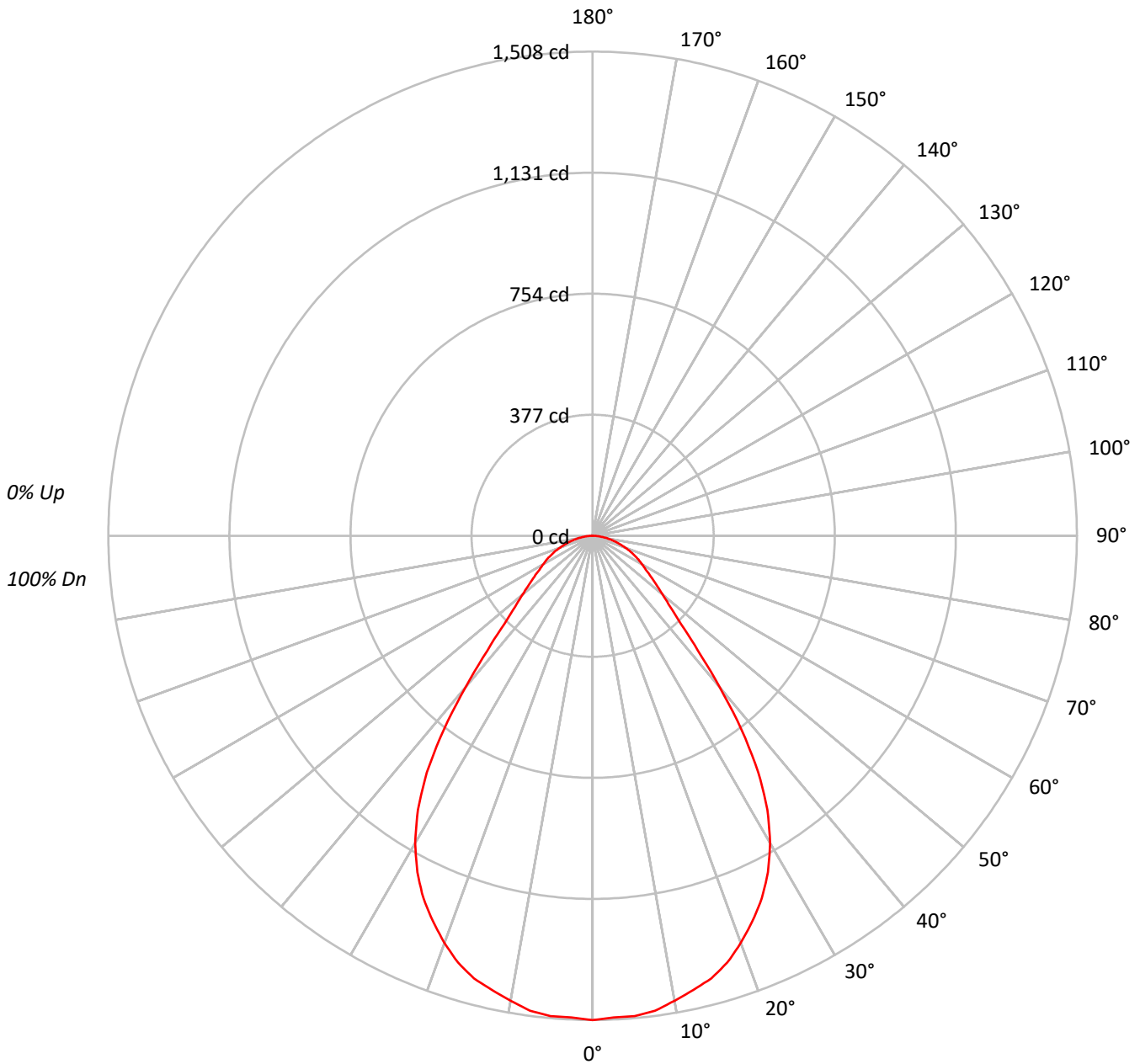
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581995

CATALOG NUMBER: HC625D010-HM60525827-61WDW

Luminous Intensity Polar Plot





TEST NUMBER: P581995

CATALOG NUMBER: HC625D010-HM60525827-61WDW

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°	82696
5°	82643
10°	81851
15°	80999
20°	78710
25°	75391
30°	69966
35°	60197
40°	43939
45°	30104
50°	24204
55°	21103
60°	19472
65°	18510
70°	17295
75°	16161
80°	14680
85°	12517



TEST NUMBER: P581995

CATALOG NUMBER: HC625D010-HM60525827-61WDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.4	5.9
10°-20°	400.8	16.5
20°-30°	570.1	23.5
30°-40°	548.8	22.6
40°-50°	315.8	13.0
50°-60°	200.1	8.3
60°-70°	141.7	5.8
70°-80°	80.7	3.3
80°-90°	23.0	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°	1113.3	45.9
0°-40°	1662.1	68.6
0°-60°	2178.0	89.9
0°-90°	2423.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2423.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1508	
5°	1502	142
15°	1427	401
25°	1246	570
35°	900	549
45°	388	316
55°	221	200
65°	143	142
75°	76	81
85°	20	23
90°	0	



TEST NUMBER: P581995

CATALOG NUMBER: HC625D010-HM60525827-61WDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1508.5
2.5°	1501.8
5°	1501.8
7.5°	1491.9
10°	1470.4
12.5°	1448.7
15°	1427.2
17.5°	1394.0
20°	1349.2
22.5°	1299.4
25°	1246.4
27.5°	1181.6
30°	1105.3
32.5°	1012.3
35°	899.5
37.5°	761.7
40°	614.0
42.5°	484.5
45°	388.3
47.5°	326.9
50°	283.8
52.5°	249.0
55°	220.8
57.5°	195.8
60°	177.6
62.5°	161.0
65°	142.7
67.5°	126.2
70°	107.9
72.5°	91.2
75°	76.3
77.5°	61.4
80°	46.5
82.5°	33.2
85°	19.9
87.5°	8.3
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)