

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: P593181

Luminaire Tested: **HC625D010-HM60525950-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525950-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2368.4 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

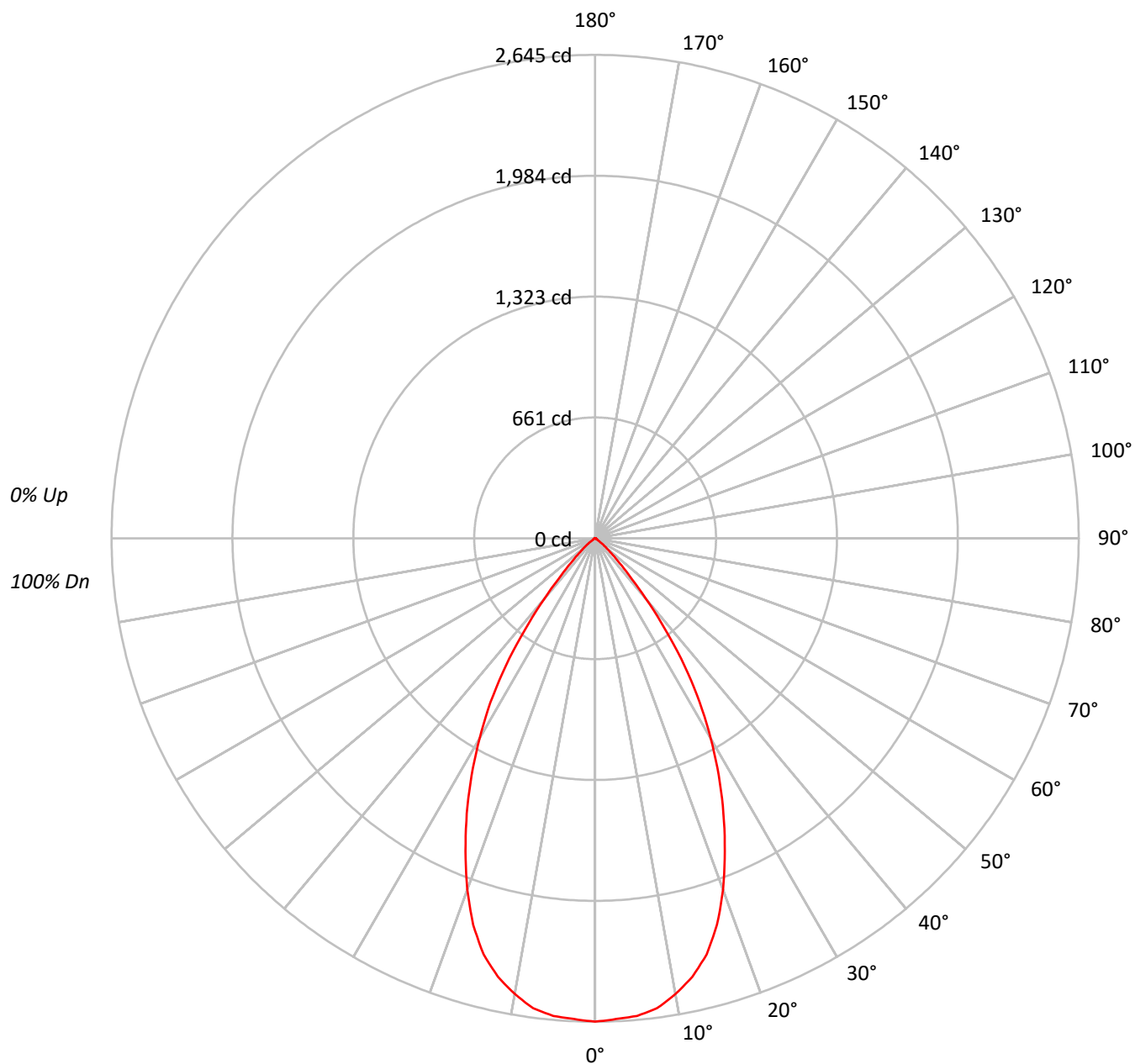
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P593181

CATALOG NUMBER: HC625D010-HM60525950-61NDH

Luminous Intensity Polar Plot





TEST NUMBER: P593181

CATALOG NUMBER: HC625D010-HM60525950-61NDH

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	113	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	101	98	94		98	95	92		95	93	90		92	90	89
3	102	96	91	87		100	95	90	86		92	88	85		90	86	84		87	85	82
4	97	90	84	80		95	88	83	79		86	82	78		84	81	78		82	79	77
5	92	84	78	74		91	83	77	73		81	76	73		79	75	72		78	74	71
6	88	79	73	68		86	78	72	68		76	71	68		75	71	67		74	70	67
7	83	74	68	64		82	73	67	63		72	67	63		71	66	63		70	66	62
8	79	70	64	59		78	69	63	59		68	63	59		67	62	59		66	62	59
9	75	66	60	56		74	65	59	56		64	59	55		63	59	55		62	58	55
10	72	62	56	52		71	62	56	52		61	56	52		60	55	52		59	55	52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	144983
5°	144370
10°	140957
15°	133798
20°	119261
25°	100463
30°	80038
35°	57105
40°	30715
45°	13156
50°	5987
55°	2179
60°	1074
65°	843
70°	785
75°	339
80°	505
85°	0



TEST NUMBER: P593181

CATALOG NUMBER: HC625D010-HM60525950-61NDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.7	10.5
10°-20°	653.5	27.6
20°-30°	756.9	32.0
30°-40°	523.4	22.1
40°-50°	151.1	6.4
50°-60°	26.0	1.1
60°-70°	6.6	0.3
70°-80°	2.6	0.1
80°-90°	0.7	0.0
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°	1658.0	70.0
0°-40°	2181.4	92.1
0°-60°	2358.6	99.6
0°-90°	2368.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2368.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2645	
5°	2624	248
15°	2358	653
25°	1661	757
35°	853	523
45°	170	151
55°	23	26
65°	6	7
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P593181

CATALOG NUMBER: HC625D010-HM60525950-61NDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2644.7
2.5°	2633.3
5°	2623.5
7.5°	2594.1
10°	2532.2
12.5°	2457.1
15°	2357.5
17.5°	2217.3
20°	2044.3
22.5°	1853.4
25°	1660.9
27.5°	1463.5
30°	1264.4
32.5°	1065.4
35°	853.3
37.5°	633.0
40°	429.2
42.5°	270.8
45°	169.7
47.5°	109.3
50°	70.2
52.5°	42.5
55°	22.8
57.5°	13.0
60°	9.8
62.5°	8.1
65°	6.5
67.5°	4.9
70°	4.9
72.5°	3.3
75°	1.6
77.5°	1.6
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)