

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: P582374

Luminaire Tested: **HC635D010-HM63040930-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC635D010-HM63040930-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858.8 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

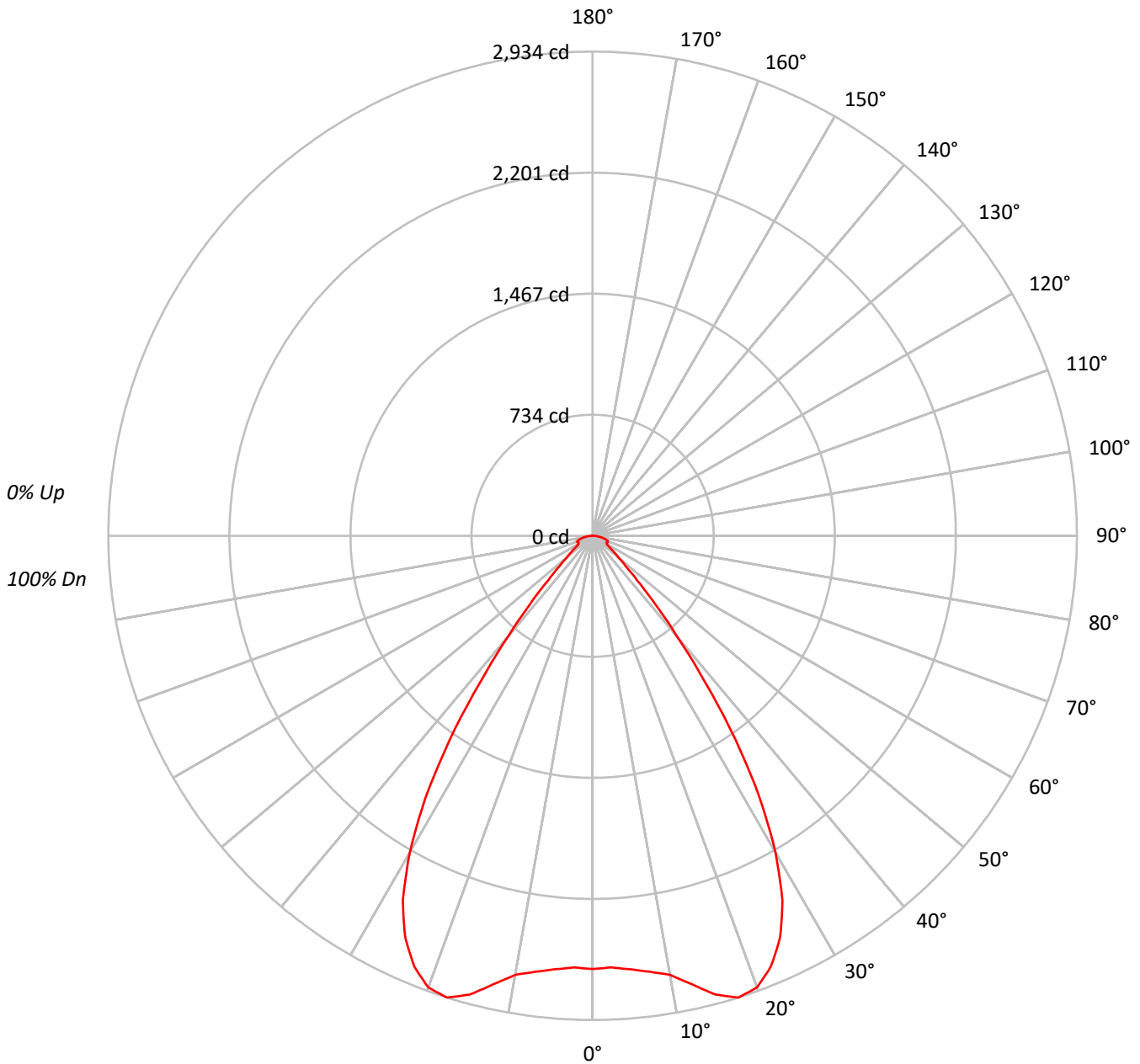
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582374

CATALOG NUMBER: HC635D010-HM63040930-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582374

CATALOG NUMBER: HC635D010-HM63040930-61WDWB

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	143919
5°	145140
10°	150376
15°	163344
20°	169905
25°	162511
30°	140243
35°	100980
40°	56892
45°	29484
50°	17577
55°	12664
60°	10756
65°	12414
70°	15724
75°	16627
80°	16290
85°	15410



TEST NUMBER: P582374

CATALOG NUMBER: HC635D010-HM63040930-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.8	6.6
10°-20°	811.7	21.0
20°-30°	1213.3	31.4
30°-40°	927.4	24.0
40°-50°	324.0	8.4
50°-60°	123.4	3.2
60°-70°	96.8	2.5
70°-80°	81.9	2.1
80°-90°	26.4	0.7
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°	2278.8	59.1
0°-40°	3206.3	83.1
0°-60°	3653.7	94.7
0°-90°	3858.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3858.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2625	
5°	2638	254
15°	2878	812
25°	2687	1213
35°	1509	927
45°	380	324
55°	132	123
65°	96	97
75°	78	82
85°	24	26
90°	0	



TEST NUMBER: P582374

CATALOG NUMBER: HC635D010-HM63040930-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2625.3
2.5°	2617.9
5°	2637.5
7.5°	2664.5
10°	2701.4
12.5°	2784.8
15°	2878.1
17.5°	2934.4
20°	2912.4
22.5°	2824.0
25°	2686.7
27.5°	2490.4
30°	2215.5
32.5°	1886.8
35°	1508.9
37.5°	1118.8
40°	795.0
42.5°	557.0
45°	380.3
47.5°	267.5
50°	206.1
52.5°	162.0
55°	132.5
57.5°	107.9
60°	98.1
62.5°	95.7
65°	95.7
67.5°	100.6
70°	98.1
72.5°	90.8
75°	78.5
77.5°	66.3
80°	51.6
82.5°	36.8
85°	24.5
87.5°	9.8
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)