

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: P582362

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582362
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC635D010-HM63040930-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3476.1 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

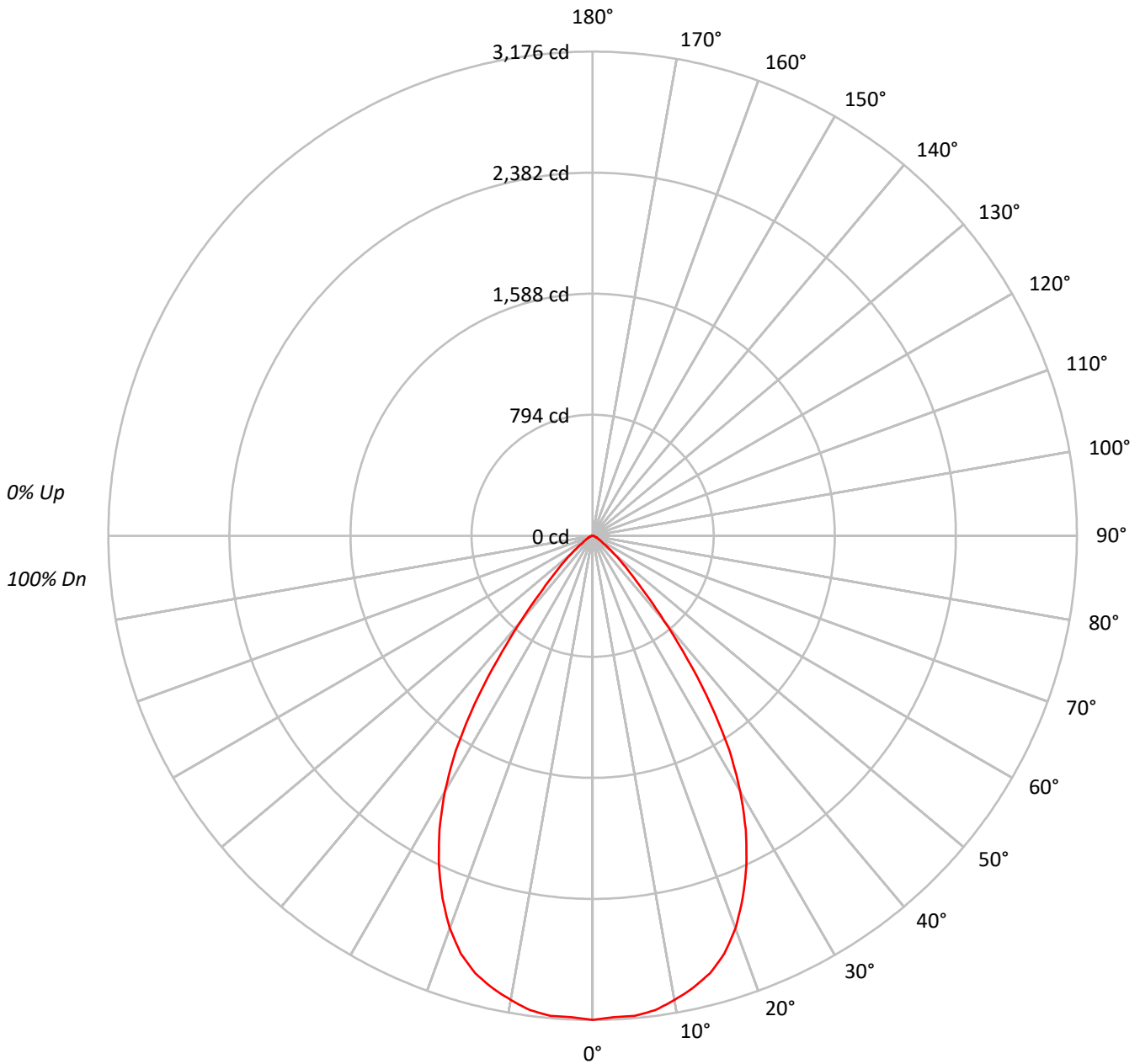
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582362

CATALOG NUMBER: HC635D010-HM63040930-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582362

CATALOG NUMBER: HC635D010-HM63040930-61MDH

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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174098
5°	173954
10°	172136
15°	168673
20°	159777
25°	144293
30°	122576
35°	90493
40°	52341
45°	27778
50°	15692
55°	8210
60°	5383
65°	3814
70°	2757
75°	2076
80°	1547
85°	1572



TEST NUMBER: P582362

CATALOG NUMBER: HC635D010-HM63040930-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.6	8.6
10°-20°	831.3	23.9
20°-30°	1085.0	31.2
30°-40°	829.1	23.9
40°-50°	300.2	8.6
50°-60°	87.2	2.5
60°-70°	31.1	0.9
70°-80°	10.7	0.3
80°-90°	2.0	0.1
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°	2215.8	63.7
0°-40°	3044.9	87.6
0°-60°	3432.2	98.7
0°-90°	3476.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3476.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3176	
5°	3161	300
15°	2972	831
25°	2386	1085
35°	1352	829
45°	358	300
55°	86	87
65°	29	31
75°	10	11
85°	2	2
90°	0	



TEST NUMBER: P582362

CATALOG NUMBER: HC635D010-HM63040930-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3175.8
2.5°	3161.1
5°	3161.1
7.5°	3138.9
10°	3092.3
12.5°	3038.3
15°	2972.0
17.5°	2873.9
20°	2738.8
22.5°	2572.0
25°	2385.5
27.5°	2174.5
30°	1936.4
32.5°	1668.8
35°	1352.2
37.5°	1020.9
40°	731.4
42.5°	505.5
45°	358.3
47.5°	257.7
50°	184.0
52.5°	130.1
55°	85.9
57.5°	61.4
60°	49.1
62.5°	39.2
65°	29.4
67.5°	24.5
70°	17.2
72.5°	12.3
75°	9.8
77.5°	7.4
80°	4.9
82.5°	2.5
85°	2.5
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)