

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: P582272

Luminaire Tested: **HC635D010-HM63040827-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582272
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-HM63040827-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3446.7 lumens
Efficiency: N/A
Efficacy: 102.3 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

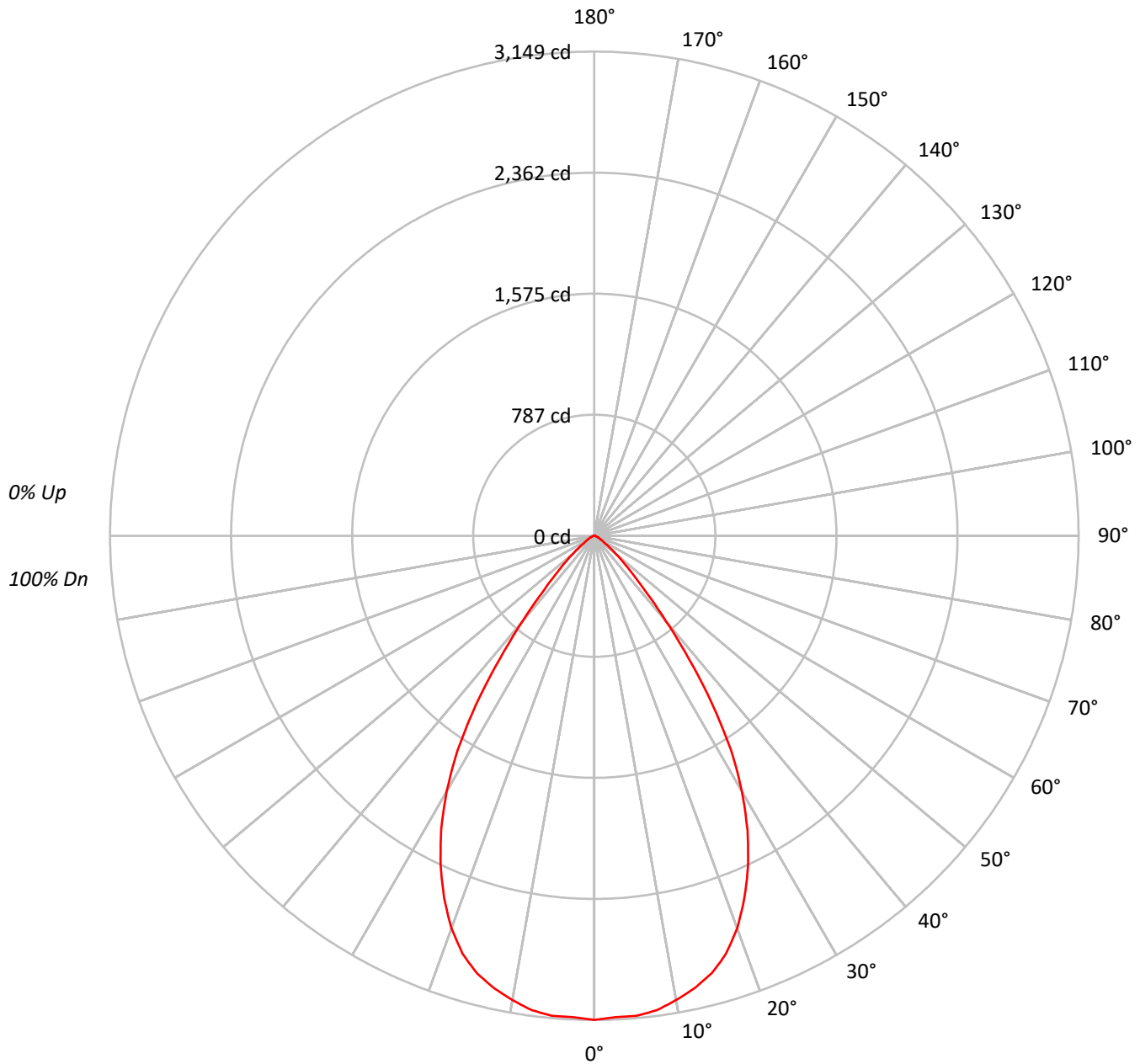
Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582272

CATALOG NUMBER: HC635D010-HM63040827-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582272

CATALOG NUMBER: HC635D010-HM63040827-61MDH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	71	89	80	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	67	64		71
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	172618
5°	172474
10°	170677
15°	167248
20°	158430
25°	143071
30°	121531
35°	89730
40°	51897
45°	27538
50°	15565
55°	8143
60°	5339
65°	3788
70°	2725
75°	2055
80°	1547
85°	1572



TEST NUMBER: P582272

CATALOG NUMBER: HC635D010-HM63040827-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.0	8.6
10°-20°	824.2	23.9
20°-30°	1075.8	31.2
30°-40°	822.1	23.9
40°-50°	297.6	8.6
50°-60°	86.4	2.5
60°-70°	30.9	0.9
70°-80°	10.6	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°	2197.0	63.7
0°-40°	3019.1	87.6
0°-60°	3403.1	98.7
0°-90°	3446.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3446.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3149	
5°	3134	297
15°	2947	824
25°	2365	1076
35°	1341	822
45°	355	298
55°	85	86
65°	29	31
75°	10	11
85°	2	2
90°	0	



TEST NUMBER: P582272

CATALOG NUMBER: HC635D010-HM63040827-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3148.8
2.5°	3134.2
5°	3134.2
7.5°	3112.3
10°	3066.1
12.5°	3012.6
15°	2946.9
17.5°	2849.5
20°	2715.7
22.5°	2550.2
25°	2365.3
27.5°	2156.0
30°	1919.9
32.5°	1654.7
35°	1340.8
37.5°	1012.3
40°	725.2
42.5°	501.2
45°	355.2
47.5°	255.5
50°	182.5
52.5°	129.0
55°	85.2
57.5°	60.8
60°	48.7
62.5°	39.0
65°	29.2
67.5°	24.4
70°	17.0
72.5°	12.1
75°	9.7
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)