

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: P581714

Luminaire Tested: **HC615D010-HM60525830-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581714
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: HC615D010-HM60525830-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1510.9 lumens
Efficiency: N/A
Efficacy: 107.9 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

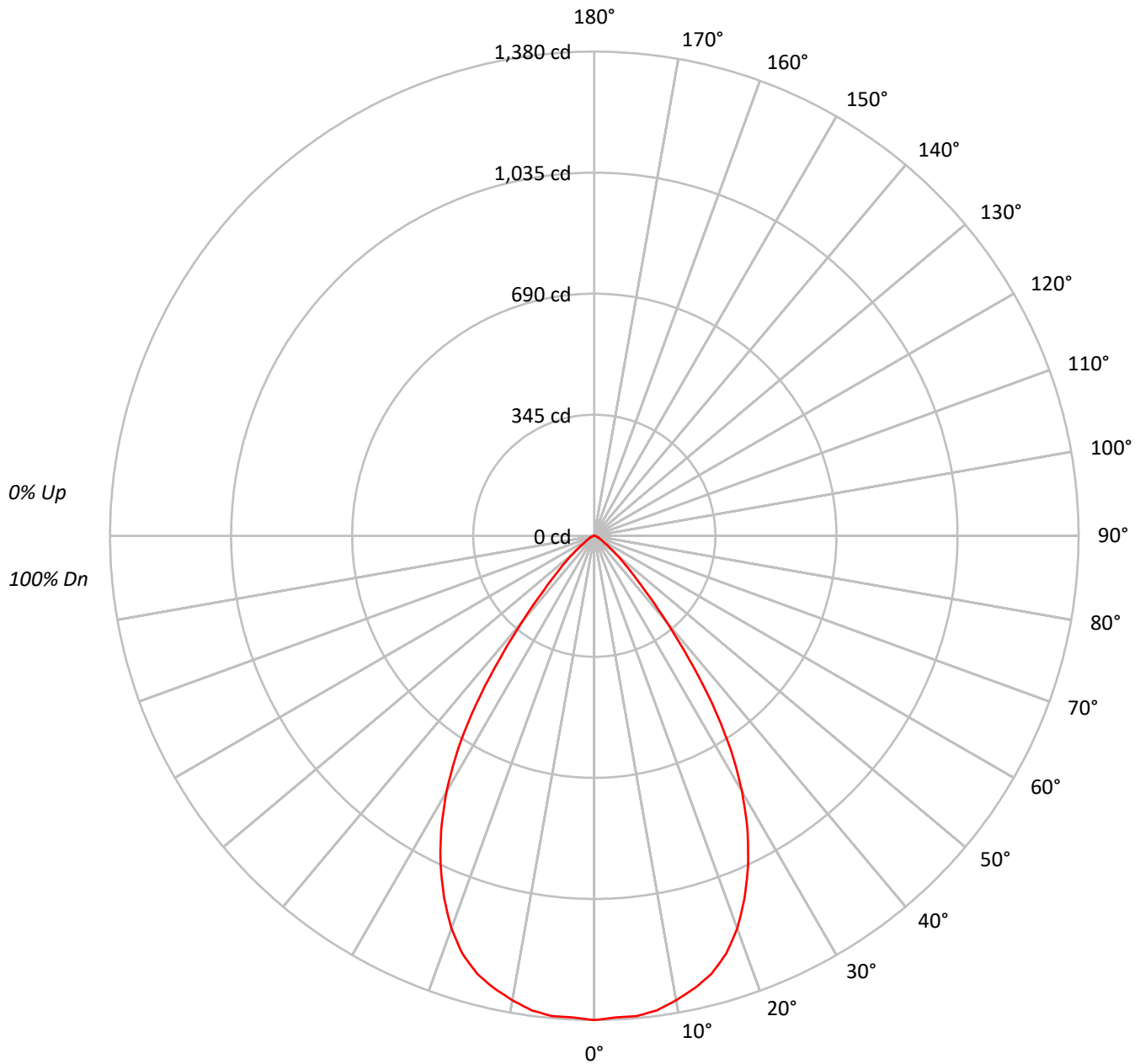
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581714

CATALOG NUMBER: HC615D010-HM60525830-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P581714

CATALOG NUMBER: HC615D010-HM60525830-61MDH

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°	75674
5°	75611
10°	74826
15°	73321
20°	69452
25°	62719
30°	53280
35°	39337
40°	22750
45°	12071
50°	6823
55°	3565
60°	2335
65°	1660
70°	1202
75°	911
80°	695
85°	629



TEST NUMBER: P581714

CATALOG NUMBER: HC615D010-HM60525830-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	8.6
10°-20°	361.3	23.9
20°-30°	471.6	31.2
30°-40°	360.4	23.9
40°-50°	130.5	8.6
50°-60°	37.9	2.5
60°-70°	13.5	0.9
70°-80°	4.6	0.3
80°-90°	0.8	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°	963.1	63.7
0°-40°	1323.5	87.6
0°-60°	1491.9	98.7
0°-90°	1510.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1510.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1380	
5°	1374	130
15°	1292	361
25°	1037	472
35°	588	360
45°	156	130
55°	37	38
65°	13	14
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P581714

CATALOG NUMBER: HC615D010-HM60525830-61MDH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1380.4
2.5°	1374.0
5°	1374.0
7.5°	1364.4
10°	1344.2
12.5°	1320.7
15°	1291.9
17.5°	1249.2
20°	1190.5
22.5°	1118.0
25°	1036.9
27.5°	945.2
30°	841.7
32.5°	725.4
35°	587.8
37.5°	443.8
40°	317.9
42.5°	219.7
45°	155.7
47.5°	112.0
50°	80.0
52.5°	56.5
55°	37.3
57.5°	26.7
60°	21.3
62.5°	17.0
65°	12.8
67.5°	10.7
70°	7.5
72.5°	5.3
75°	4.3
77.5°	3.2
80°	2.2
82.5°	1.0
85°	1.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)