

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: P581731

Luminaire Tested: **HC615D010-HM60525835-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525835-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1708.6 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

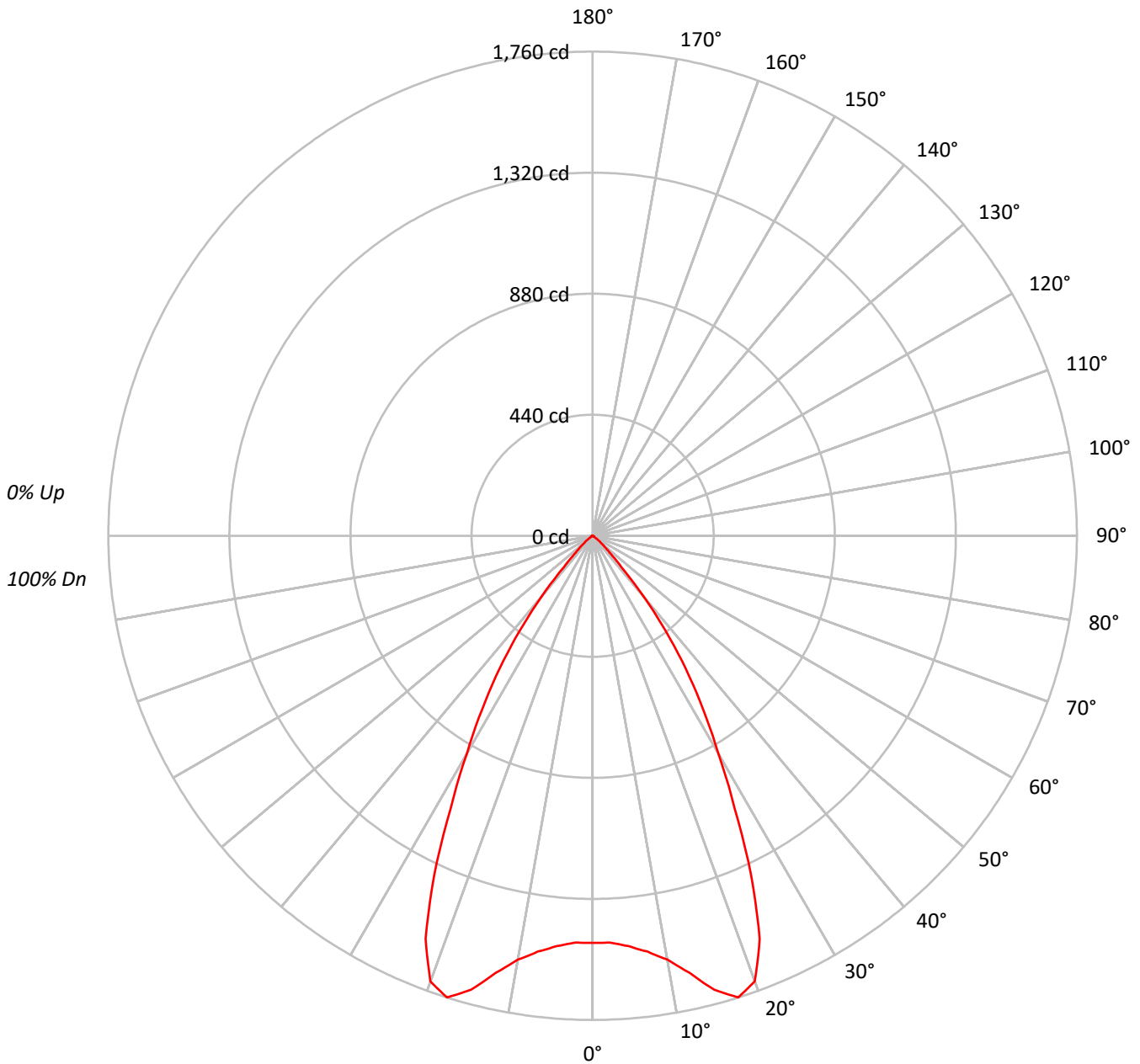
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581731

CATALOG NUMBER: HC615D010-HM60525835-61MDC

Luminous Intensity Polar Plot





TEST NUMBER: P581731

CATALOG NUMBER: HC615D010-HM60525835-61MDC

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			
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	79	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	63	72	67	63	71	66	63	70	66	62	61			
8	79	70	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57			
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81134
5°	82401
10°	87095
15°	96970
20°	100564
25°	82517
30°	57813
35°	39444
40°	20553
45°	7226
50°	3232
55°	1032
60°	592
65°	428
70°	353
75°	233
80°	0
85°	0



TEST NUMBER: P581731

CATALOG NUMBER: HC615D010-HM60525835-61MDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.0	8.5
10°-20°	480.5	28.1
20°-30°	611.9	35.8
30°-40°	364.7	21.3
40°-50°	88.4	5.2
50°-60°	13.5	0.8
60°-70°	3.4	0.2
70°-80°	1.2	0.1
80°-90°	0.0	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°	1237.4	72.4
0°-40°	1602.1	93.8
0°-60°	1704.1	99.7
0°-90°	1708.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1708.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1480	
5°	1497	145
15°	1709	481
25°	1364	612
35°	589	365
45°	93	88
55°	11	14
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P581731

CATALOG NUMBER: HC615D010-HM60525835-61MDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	1480.0
2.5°	1480.0
5°	1497.4
7.5°	1524.5
10°	1564.6
12.5°	1627.4
15°	1708.6
17.5°	1759.6
20°	1723.8
22.5°	1586.3
25°	1364.2
27.5°	1119.2
30°	913.3
32.5°	746.5
35°	589.4
37.5°	434.5
40°	287.2
42.5°	154.9
45°	93.2
47.5°	58.5
50°	37.9
52.5°	22.7
55°	10.8
57.5°	6.5
60°	5.4
62.5°	4.3
65°	3.3
67.5°	2.2
70°	2.2
72.5°	1.1
75°	1.1
77.5°	1.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)