

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: P581705

Luminaire Tested: **HC615D010-HM60525827-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581705
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525827-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1599.3 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

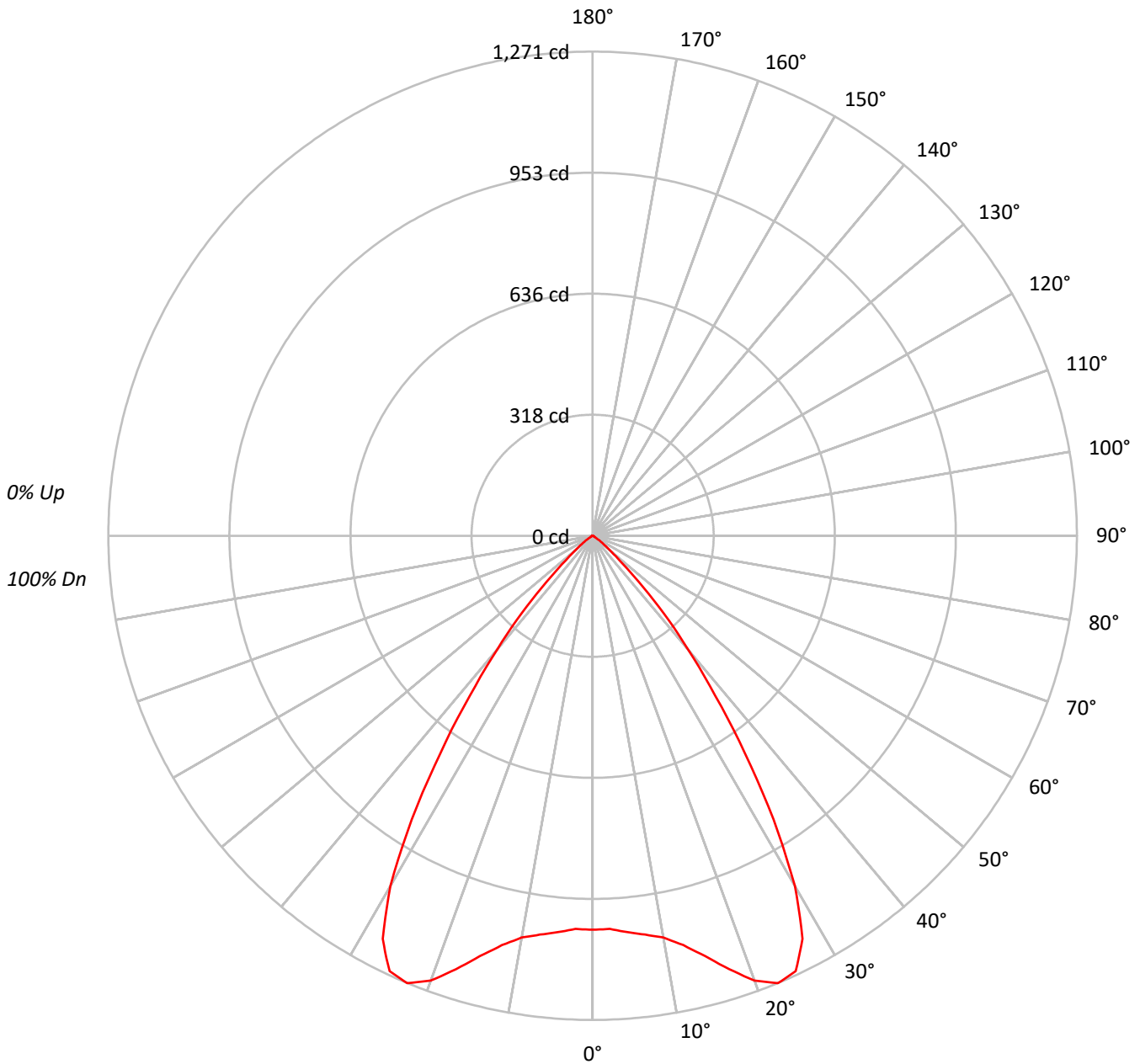
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581705

CATALOG NUMBER: HC615D010-HM60525827-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P581705

CATALOG NUMBER: HC615D010-HM60525827-61WDC

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	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93			
2	107	102	97	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85			
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78			
4	95	87	81	77	93	86	80	76	84	79	75	82	78	74	80	76	74	72			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	66	61	58	56			
8	76	65	59	54	74	65	59	54	64	58	54	62	57	54	61	57	53	52			
9	71	61	55	50	70	60	54	50	60	54	50	59	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	50	46	55	50	46	54	50	46	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56695
5°	57456
10°	59613
15°	64830
20°	72485
25°	76293
30°	67162
35°	46585
40°	27816
45°	13226
50°	4989
55°	2084
60°	647
65°	519
70°	305
75°	212
80°	316
85°	0



TEST NUMBER: P581705

CATALOG NUMBER: HC615D010-HM60525827-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.5	6.3
10°-20°	328.0	20.5
20°-30°	562.1	35.1
30°-40°	436.5	27.3
40°-50°	144.3	9.0
50°-60°	22.1	1.4
60°-70°	3.9	0.2
70°-80°	1.4	0.1
80°-90°	0.4	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°	990.6	61.9
0°-40°	1427.1	89.2
0°-60°	1593.5	99.6
0°-90°	1599.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1599.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1034	
5°	1044	100
15°	1142	328
25°	1261	562
35°	696	437
45°	171	144
55°	22	22
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P581705

CATALOG NUMBER: HC615D010-HM60525827-61WDC

CANDELA DISTRIBUTION (FULL):

0°	
0°	1034.2
2.5°	1033.2
5°	1044.1
7.5°	1056.0
10°	1070.9
12.5°	1100.6
15°	1142.3
17.5°	1192.9
20°	1242.5
22.5°	1271.2
25°	1261.3
27.5°	1192.9
30°	1061.0
32.5°	883.5
35°	696.1
37.5°	528.6
40°	388.7
42.5°	274.7
45°	170.6
47.5°	95.2
50°	58.5
52.5°	35.8
55°	21.8
57.5°	10.9
60°	5.9
62.5°	5.0
65°	4.0
67.5°	3.0
70°	1.9
72.5°	1.9
75°	1.0
77.5°	1.0
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)