

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: P581772

Luminaire Tested: **HC615D010-HM60525927-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1139.6 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

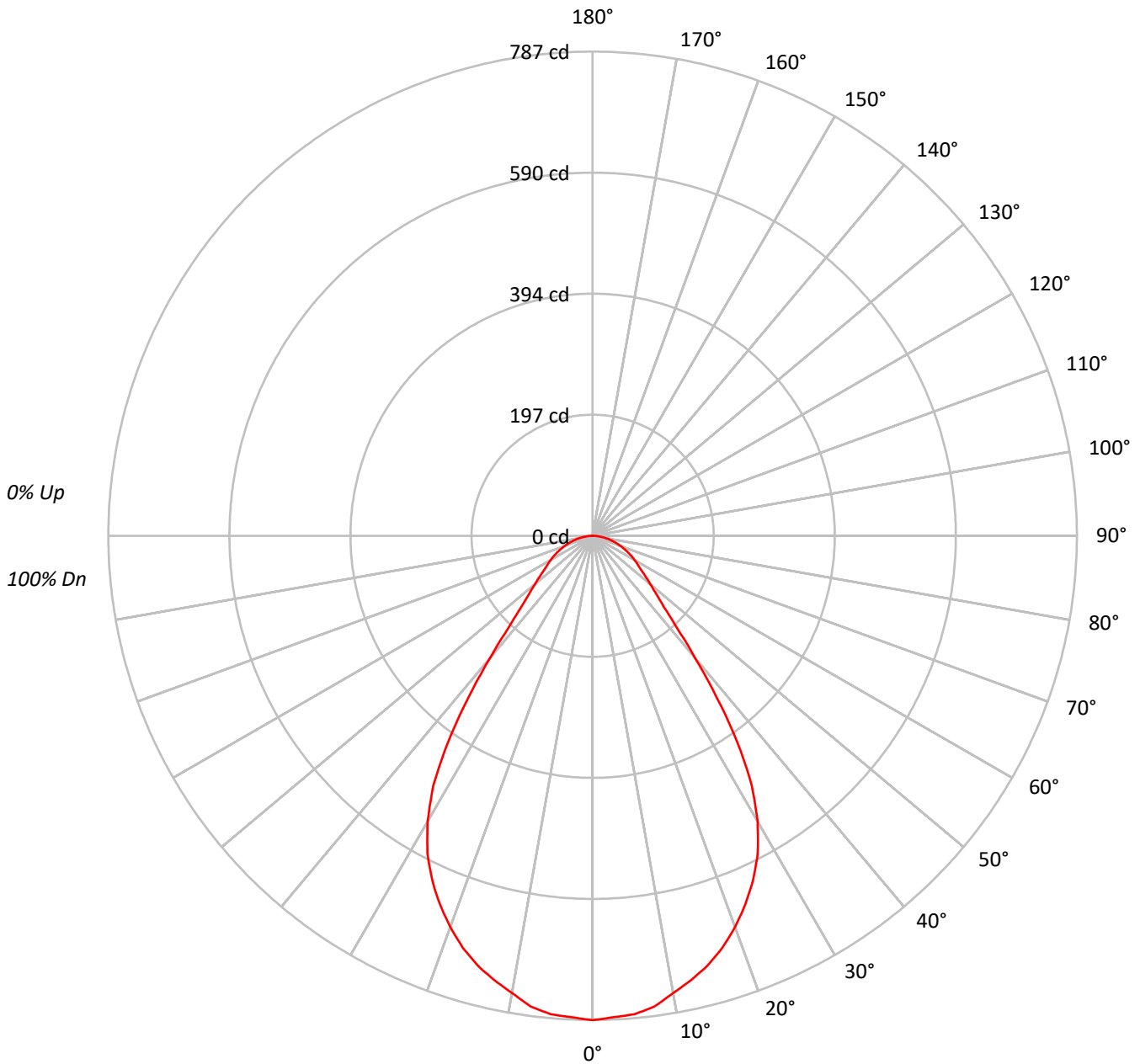
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P581772

CATALOG NUMBER: HC615D010-HM60525927-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P581772

CATALOG NUMBER: HC615D010-HM60525927-61NDW

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
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43160
5°	42962
10°	42011
15°	41027
20°	39483
25°	37339
30°	33936
35°	27465
40°	18520
45°	12722
50°	10422
55°	9128
60°	8640
65°	8146
70°	7662
75°	7286
80°	6598
85°	5787



TEST NUMBER: P581772

CATALOG NUMBER: HC615D010-HM60525927-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.7	6.5
10°-20°	203.0	17.8
20°-30°	282.0	24.7
30°-40°	251.1	22.0
40°-50°	133.2	11.7
50°-60°	87.2	7.7
60°-70°	62.5	5.5
70°-80°	36.3	3.2
80°-90°	10.6	0.9
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°	558.7	49.0
0°-40°	809.8	71.1
0°-60°	1030.2	90.4
0°-90°	1139.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1139.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	787	
5°	781	74
15°	723	203
25°	617	282
35°	410	251
45°	164	133
55°	96	87
65°	63	62
75°	34	36
85°	9	11
90°	0	



TEST NUMBER: P581772

CATALOG NUMBER: HC615D010-HM60525927-61NDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	787.3
2.5°	783.2
5°	780.7
7.5°	771.5
10°	754.7
12.5°	739.6
15°	722.9
17.5°	701.9
20°	676.8
22.5°	648.3
25°	617.3
27.5°	581.3
30°	536.1
32.5°	481.6
35°	410.4
37.5°	331.6
40°	258.8
42.5°	201.0
45°	164.1
47.5°	139.8
50°	122.2
52.5°	108.1
55°	95.5
57.5°	86.3
60°	78.8
62.5°	71.2
65°	62.8
67.5°	55.3
70°	47.8
72.5°	41.1
75°	34.4
77.5°	27.7
80°	20.9
82.5°	15.1
85°	9.2
87.5°	4.2
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)