

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: P593036

Luminaire Tested: **HC607D010-HM60525950-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593036
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: HC607D010-HM60525950-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 818.1 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

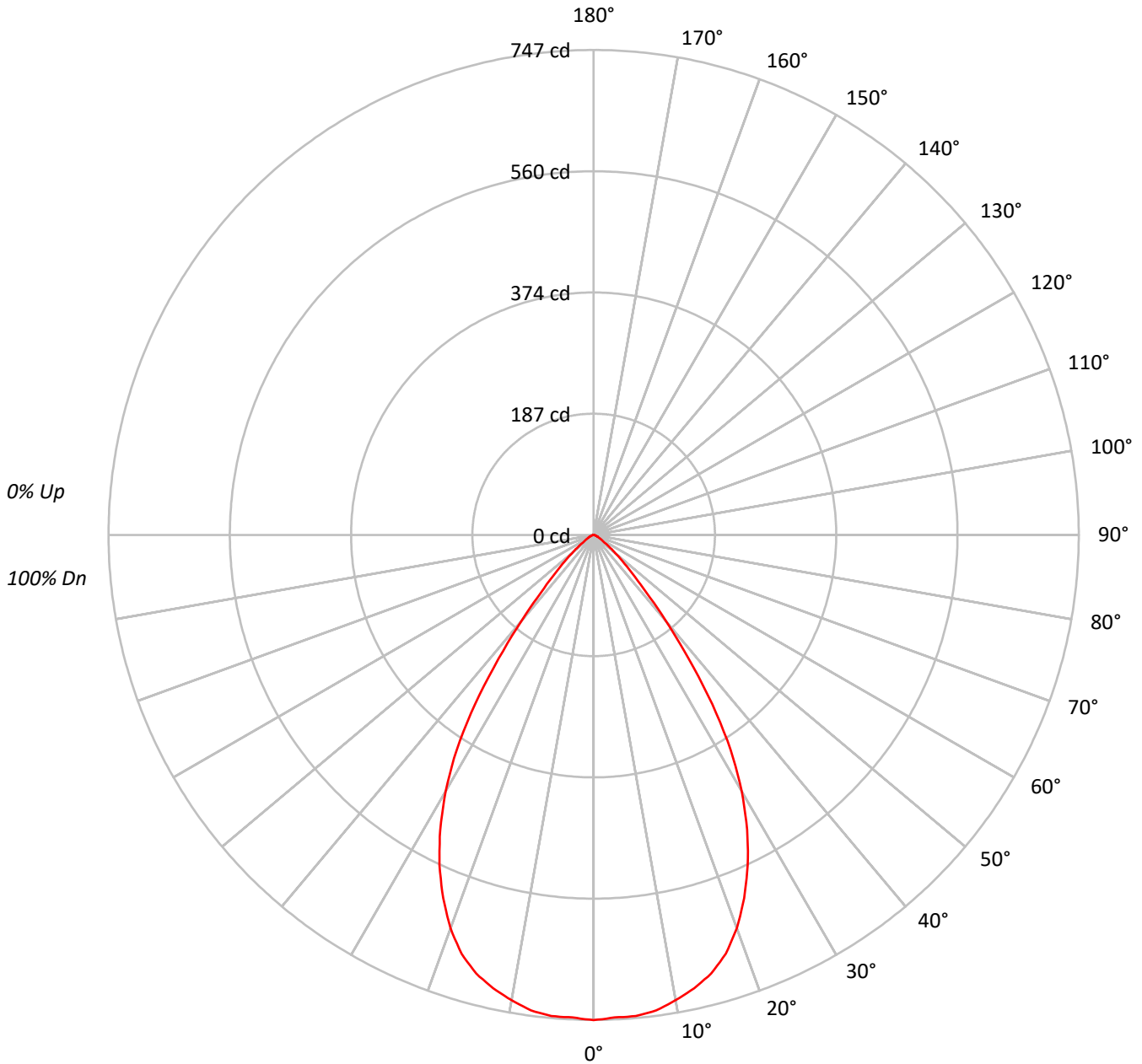
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P593036

CATALOG NUMBER: HC607D010-HM60525950-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P593036

CATALOG NUMBER: HC607D010-HM60525950-61MDH

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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93	93	93	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79	79	79	79
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72	72	72	72
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67	67	67	67
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62	62	62	62
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57	57	57	57
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50	50	50	50
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47	47	47	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40973
5°	40942
10°	40514
15°	39699
20°	37611
25°	33964
30°	28853
35°	21302
40°	12316
45°	6536
50°	3693
55°	1931
60°	1272
65°	895
70°	657
75°	487
80°	347
85°	377



TEST NUMBER: P593036

CATALOG NUMBER: HC607D010-HM60525950-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	8.6
10°-20°	195.6	23.9
20°-30°	255.4	31.2
30°-40°	195.1	23.9
40°-50°	70.6	8.6
50°-60°	20.5	2.5
60°-70°	7.4	0.9
70°-80°	2.5	0.3
80°-90°	0.5	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°	521.5	63.7
0°-40°	716.7	87.6
0°-60°	807.8	98.7
0°-90°	818.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	818.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	747	
5°	744	71
15°	700	196
25°	562	255
35°	318	195
45°	84	71
55°	20	21
65°	7	7
75°	2	2
85°	1	0
90°	0	



TEST NUMBER: P593036

CATALOG NUMBER: HC607D010-HM60525950-61MDH

CANDELA DISTRIBUTION (FULL):

0°	
0°	747.4
2.5°	744.0
5°	744.0
7.5°	738.8
10°	727.8
12.5°	715.1
15°	699.5
17.5°	676.4
20°	644.7
22.5°	605.4
25°	561.5
27.5°	511.8
30°	455.8
32.5°	392.8
35°	318.3
37.5°	240.3
40°	172.1
42.5°	119.0
45°	84.3
47.5°	60.6
50°	43.3
52.5°	30.6
55°	20.2
57.5°	14.4
60°	11.6
62.5°	9.3
65°	6.9
67.5°	5.8
70°	4.1
72.5°	2.8
75°	2.3
77.5°	1.7
80°	1.1
82.5°	0.6
85°	0.6
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)