

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: P582200

Luminaire Tested: **HC630D010-HM63040927-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582200
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: HC630D010-HM63040927-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2449.4 lumens
Efficiency: N/A
Efficacy: 87.5 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

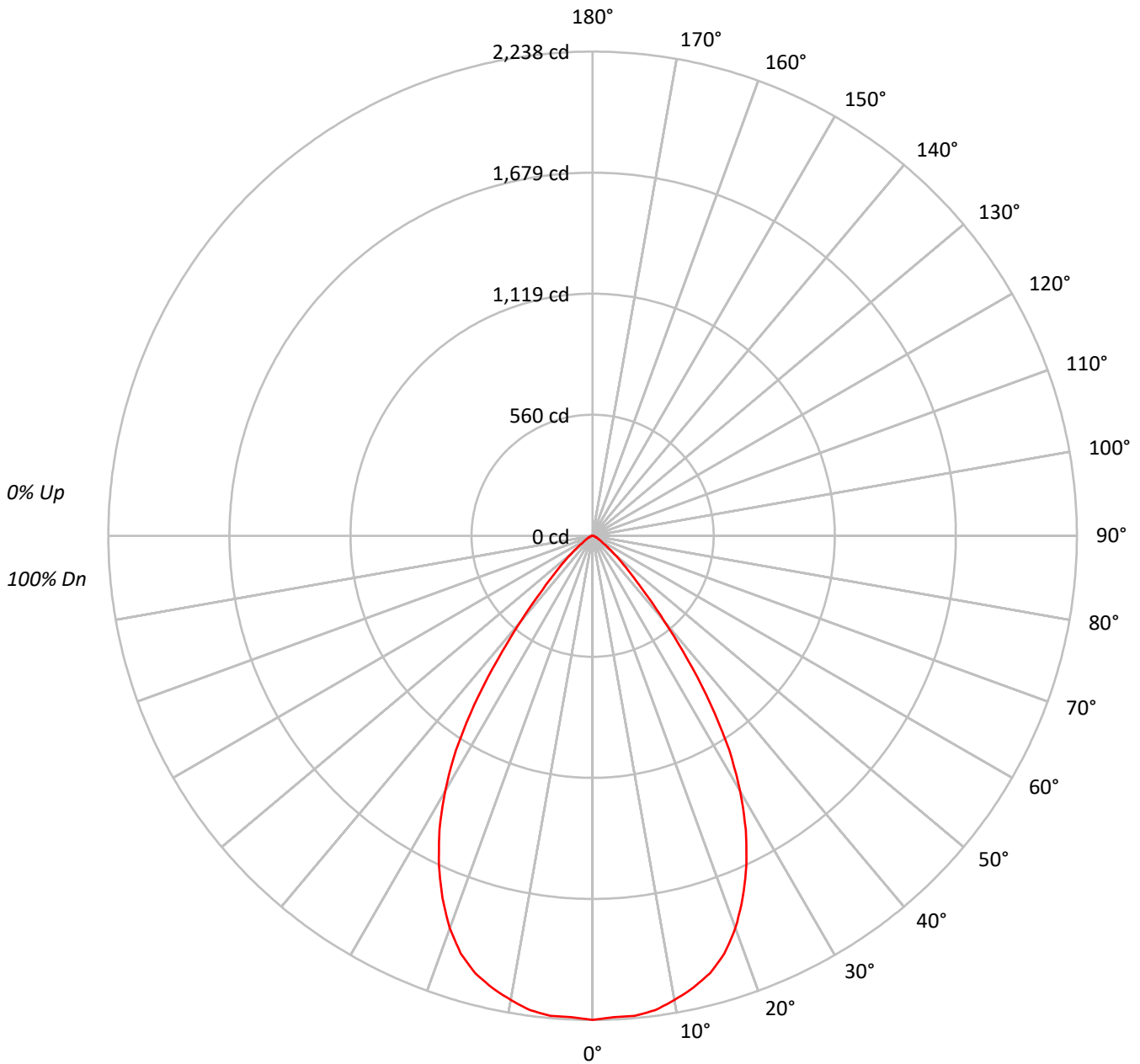
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582200

CATALOG NUMBER: HC630D010-HM63040927-61MDH

Luminous Intensity Polar Plot





TEST NUMBER: P582200

CATALOG NUMBER: HC630D010-HM63040927-61MDH

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°	122671
5°	122573
10°	121296
15°	118854
20°	112587
25°	101673
30°	86368
35°	63771
40°	36876
45°	19568
50°	11061
55°	5782
60°	3794
65°	2698
70°	1939
75°	1461
80°	1073
85°	1132



TEST NUMBER: P582200

CATALOG NUMBER: HC630D010-HM63040927-61MDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.1	8.6
10°-20°	585.7	23.9
20°-30°	764.5	31.2
30°-40°	584.2	23.9
40°-50°	211.5	8.6
50°-60°	61.4	2.5
60°-70°	22.0	0.9
70°-80°	7.5	0.3
80°-90°	1.4	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°	1561.3	63.7
0°-40°	2145.5	87.6
0°-60°	2418.4	98.7
0°-90°	2449.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2449.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2238	
5°	2227	211
15°	2094	586
25°	1681	764
35°	953	584
45°	252	211
55°	60	61
65°	21	22
75°	7	8
85°	2	1
90°	0	



TEST NUMBER: P582200

CATALOG NUMBER: HC630D010-HM63040927-61MDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2237.7
2.5°	2227.4
5°	2227.4
7.5°	2211.8
10°	2179.0
12.5°	2140.9
15°	2094.2
17.5°	2025.0
20°	1929.9
22.5°	1812.3
25°	1680.9
27.5°	1532.1
30°	1364.4
32.5°	1175.9
35°	952.9
37.5°	719.3
40°	515.3
42.5°	356.2
45°	252.4
47.5°	181.6
50°	129.7
52.5°	91.7
55°	60.5
57.5°	43.3
60°	34.6
62.5°	27.7
65°	20.8
67.5°	17.2
70°	12.1
72.5°	8.7
75°	6.9
77.5°	5.2
80°	3.4
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)