

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: P582219

Luminaire Tested: **HC630D010-HM63040930-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2851.3 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

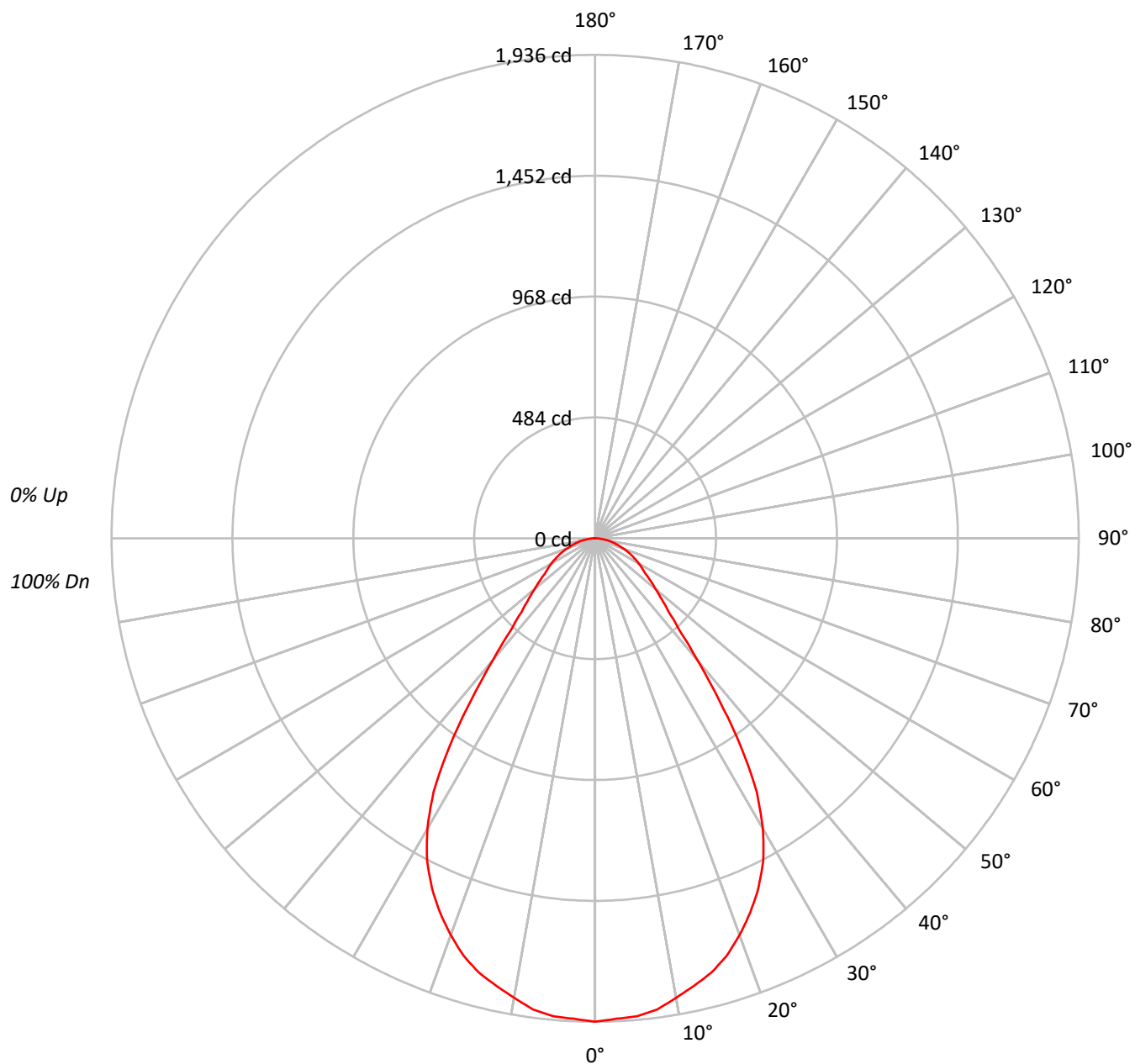
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582219

CATALOG NUMBER: HC630D010-HM63040930-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582219

CATALOG NUMBER: HC630D010-HM63040930-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70		
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106143
5°	105756
10°	103984
15°	102157
20°	98621
25°	93520
30°	85064
35°	67960
40°	45349
45°	32329
50°	26933
55°	23473
60°	22169
65°	20884
70°	19186
75°	17940
80°	16290
85°	14278



TEST NUMBER: P582219

CATALOG NUMBER: HC630D010-HM63040930-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.8	6.4
10°-20°	505.4	17.7
20°-30°	706.3	24.8
30°-40°	622.1	21.8
40°-50°	336.1	11.8
50°-60°	224.7	7.9
60°-70°	159.3	5.6
70°-80°	89.6	3.1
80°-90°	26.1	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°	1393.4	48.9
0°-40°	2015.5	70.7
0°-60°	2576.3	90.4
0°-90°	2851.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2851.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1936	
5°	1922	182
15°	1800	505
25°	1546	706
35°	1016	622
45°	417	336
55°	246	225
65°	161	159
75°	85	90
85°	23	26
90°	0	



TEST NUMBER: P582219

CATALOG NUMBER: HC630D010-HM63040930-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1936.2
2.5°	1925.9
5°	1921.8
7.5°	1903.2
10°	1868.0
12.5°	1835.1
15°	1800.0
17.5°	1752.5
20°	1690.5
22.5°	1622.5
25°	1546.1
27.5°	1457.4
30°	1343.8
32.5°	1203.4
35°	1015.5
37.5°	811.3
40°	633.7
42.5°	499.5
45°	417.0
47.5°	361.2
50°	315.8
52.5°	278.7
55°	245.6
57.5°	222.9
60°	202.2
62.5°	181.7
65°	161.0
67.5°	140.4
70°	119.7
72.5°	101.2
75°	84.7
77.5°	68.1
80°	51.6
82.5°	37.1
85°	22.7
87.5°	10.3
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)