

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: P582212

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2719.0 lumens
Efficiency: N/A
Efficacy: 97.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

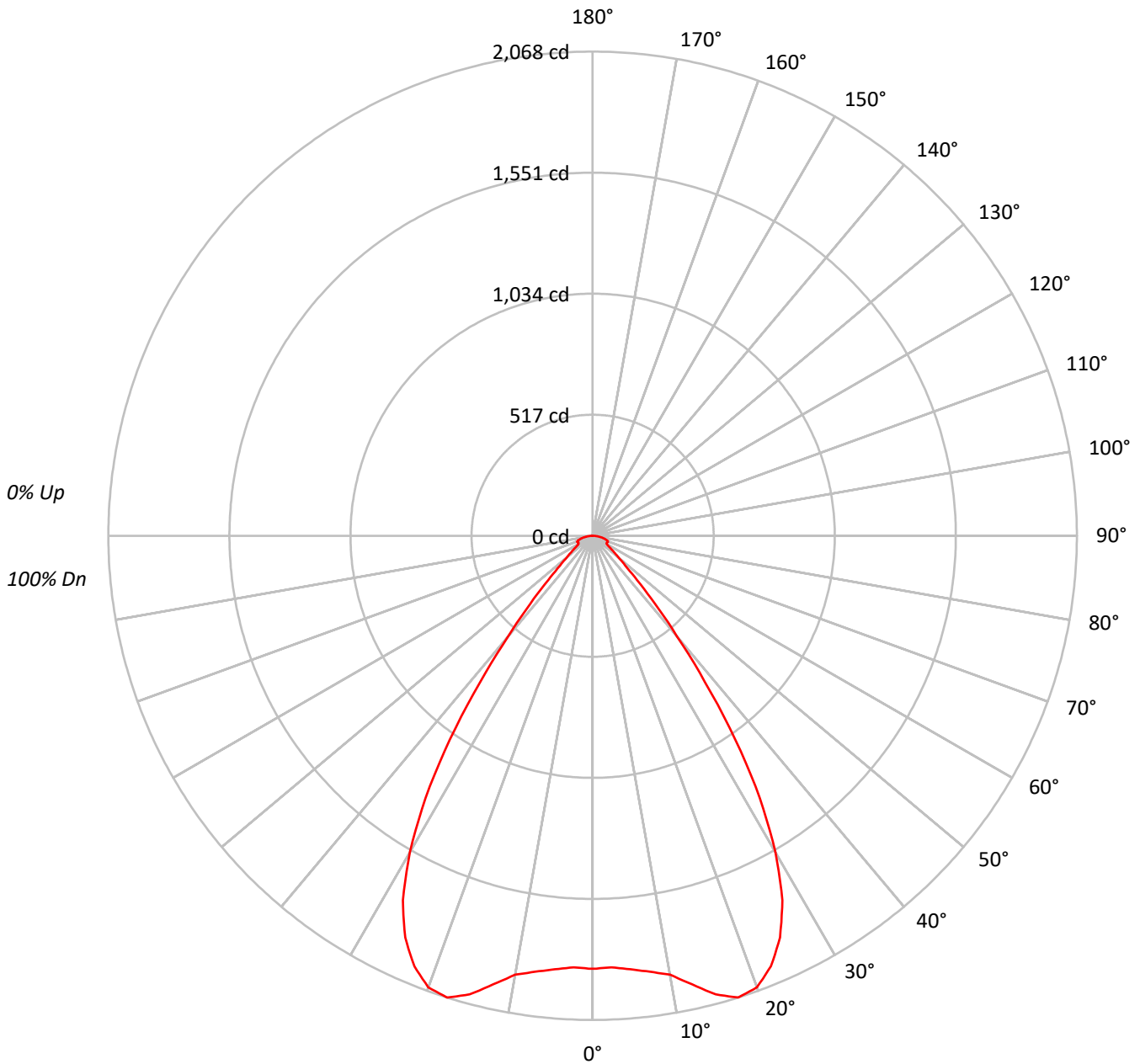
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582212

CATALOG NUMBER: HC630D010-HM63040927-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582212

CATALOG NUMBER: HC630D010-HM63040927-61WDWB

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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101406
5°	102272
10°	105960
15°	115097
20°	119722
25°	114509
30°	98825
35°	71153
40°	40082
45°	20777
50°	12383
55°	8917
60°	7587
65°	8743
70°	11092
75°	11713
80°	11460
85°	10819



TEST NUMBER: P582212

CATALOG NUMBER: HC630D010-HM63040927-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	6.6
10°-20°	572.0	21.0
20°-30°	854.9	31.4
30°-40°	653.5	24.0
40°-50°	228.3	8.4
50°-60°	87.0	3.2
60°-70°	68.2	2.5
70°-80°	57.7	2.1
80°-90°	18.5	0.7
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°	1605.7	59.1
0°-40°	2259.2	83.1
0°-60°	2574.5	94.7
0°-90°	2719.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2719.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1850	
5°	1858	179
15°	2028	572
25°	1893	855
35°	1063	653
45°	268	228
55°	93	87
65°	67	68
75°	55	58
85°	17	19
90°	0	



TEST NUMBER: P582212

CATALOG NUMBER: HC630D010-HM63040927-61WDWB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1849.8
2.5°	1844.7
5°	1858.5
7.5°	1877.5
10°	1903.5
12.5°	1962.2
15°	2028.0
17.5°	2067.7
20°	2052.2
22.5°	1989.9
25°	1893.1
27.5°	1754.8
30°	1561.2
32.5°	1329.5
35°	1063.2
37.5°	788.3
40°	560.1
42.5°	392.5
45°	268.0
47.5°	188.5
50°	145.2
52.5°	114.1
55°	93.3
57.5°	76.1
60°	69.2
62.5°	67.4
65°	67.4
67.5°	70.9
70°	69.2
72.5°	64.0
75°	55.3
77.5°	46.7
80°	36.3
82.5°	25.9
85°	17.2
87.5°	6.9
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)