

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: P582264

Luminaire Tested: **HC630D010-HM63040940-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582264
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040940-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3088.5 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

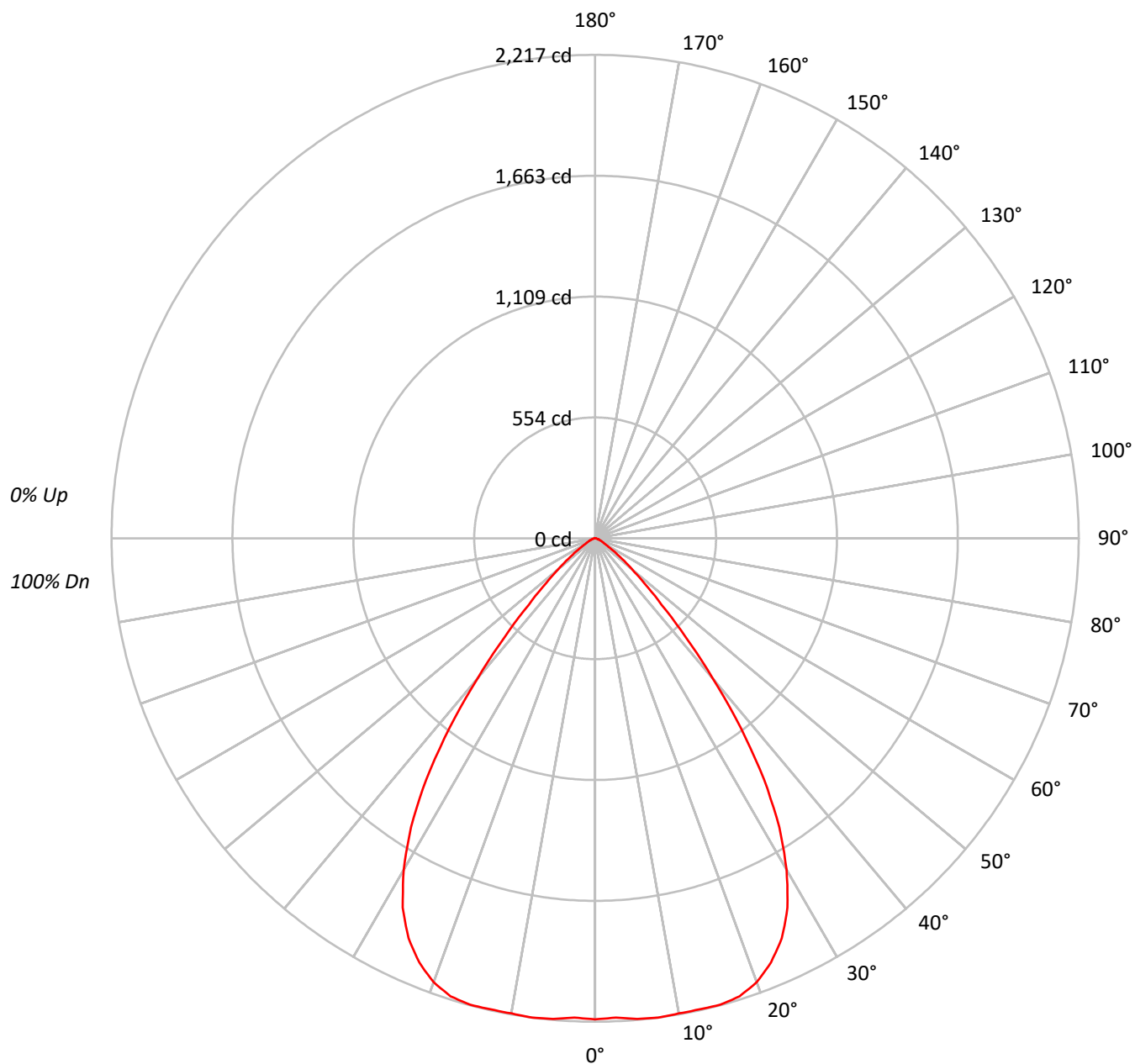
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582264

CATALOG NUMBER: HC630D010-HM63040940-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582264

CATALOG NUMBER: HC630D010-HM63040940-61WDH

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	110	108	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	87	83	98	91	86	82	89	84	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	73		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	68	62	57	77	68	61	57	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	120955
5°	121764
10°	123172
15°	125704
20°	126402
25°	122463
30°	111099
35°	90333
40°	59962
45°	33368
50°	18712
55°	10389
60°	5723
65°	4333
70°	3013
75°	2224
80°	1326
85°	1321



TEST NUMBER: P582264

CATALOG NUMBER: HC630D010-HM63040940-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	6.8
10°-20°	624.5	20.2
20°-30°	920.4	29.8
30°-40°	823.3	26.7
40°-50°	357.2	11.6
50°-60°	104.9	3.4
60°-70°	33.5	1.1
70°-80°	11.8	0.4
80°-90°	1.7	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°	1756.1	56.9
0°-40°	2579.4	83.5
0°-60°	3041.5	98.5
0°-90°	3088.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3088.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2206	
5°	2213	211
15°	2215	624
25°	2025	920
35°	1350	823
45°	430	357
55°	109	105
65°	33	33
75°	10	12
85°	2	2
90°	0	



TEST NUMBER: P582264

CATALOG NUMBER: HC630D010-HM63040940-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2206.4
2.5°	2200.1
5°	2212.7
7.5°	2216.9
10°	2212.7
12.5°	2212.7
15°	2214.9
17.5°	2202.3
20°	2166.7
22.5°	2106.2
25°	2024.6
27.5°	1909.8
30°	1755.1
32.5°	1571.3
35°	1349.8
37.5°	1097.0
40°	837.9
42.5°	612.2
45°	430.4
47.5°	307.1
50°	219.4
52.5°	156.7
55°	108.7
57.5°	73.1
60°	52.2
62.5°	41.7
65°	33.4
67.5°	25.1
70°	18.8
72.5°	14.6
75°	10.5
77.5°	8.3
80°	4.2
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)