

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: P582148

Luminaire Tested: **HC630D010-HM63040830-61NDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040830-61NDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3344.8 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

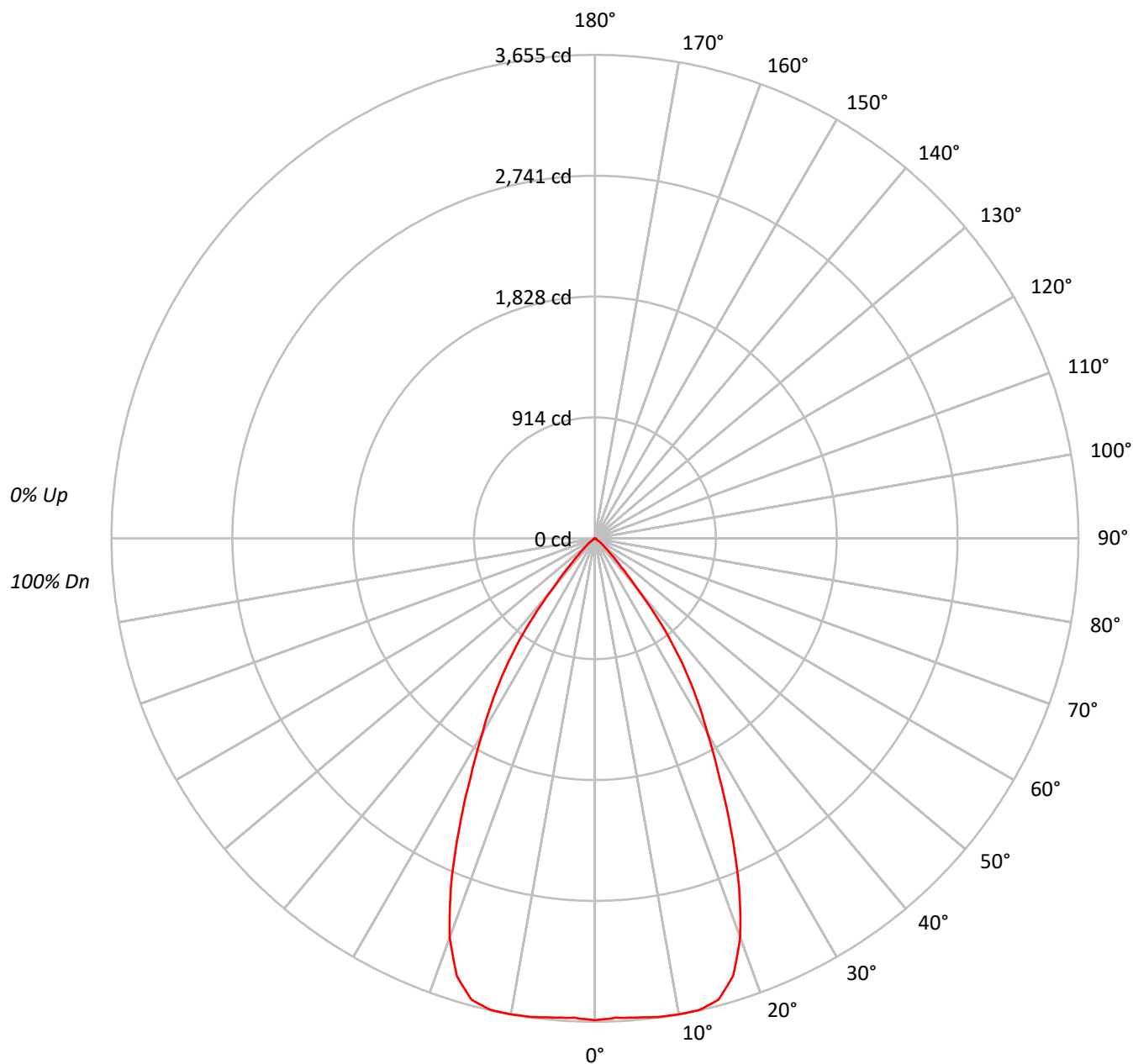
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582148

CATALOG NUMBER: HC630D010-HM63040830-61NDC

Luminous Intensity Polar Plot





TEST NUMBER: P582148

CATALOG NUMBER: HC630D010-HM63040830-61NDC

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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	96	93		96	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	199759
5°	200159
10°	203453
15°	204939
20°	187342
25°	147202
30°	107757
35°	76440
40°	36153
45°	13792
50°	6183
55°	1682
60°	713
65°	571
70°	337
75°	445
80°	0
85°	0



TEST NUMBER: P582148

CATALOG NUMBER: HC630D010-HM63040830-61NDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.0	10.4
10°-20°	998.0	29.8
20°-30°	1110.1	33.2
30°-40°	693.5	20.7
40°-50°	164.8	4.9
50°-60°	23.6	0.7
60°-70°	4.8	0.1
70°-80°	1.9	0.1
80°-90°	0.0	0.0
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°	2456.1	73.4
0°-40°	3149.7	94.2
0°-60°	3338.0	99.8
0°-90°	3344.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3344.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3644	
5°	3637	348
15°	3611	998
25°	2434	1110
35°	1142	694
45°	178	165
55°	18	24
65°	4	5
75°	2	2
85°	0	0
90°	0	



TEST NUMBER: P582148

CATALOG NUMBER: HC630D010-HM63040830-61NDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	3643.9
2.5°	3628.5
5°	3637.3
7.5°	3650.5
10°	3654.9
12.5°	3652.7
15°	3611.0
17.5°	3470.3
20°	3211.3
22.5°	2846.6
25°	2433.6
27.5°	2038.3
30°	1702.3
32.5°	1423.4
35°	1142.2
37.5°	839.1
40°	505.2
42.5°	292.1
45°	177.9
47.5°	114.3
50°	72.5
52.5°	41.7
55°	17.6
57.5°	8.8
60°	6.5
62.5°	6.5
65°	4.4
67.5°	4.4
70°	2.1
72.5°	2.1
75°	2.1
77.5°	2.1
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)