

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: P582147

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582147
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-HM63040830-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3032.9 lumens
Efficiency: N/A
Efficacy: 108.3 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

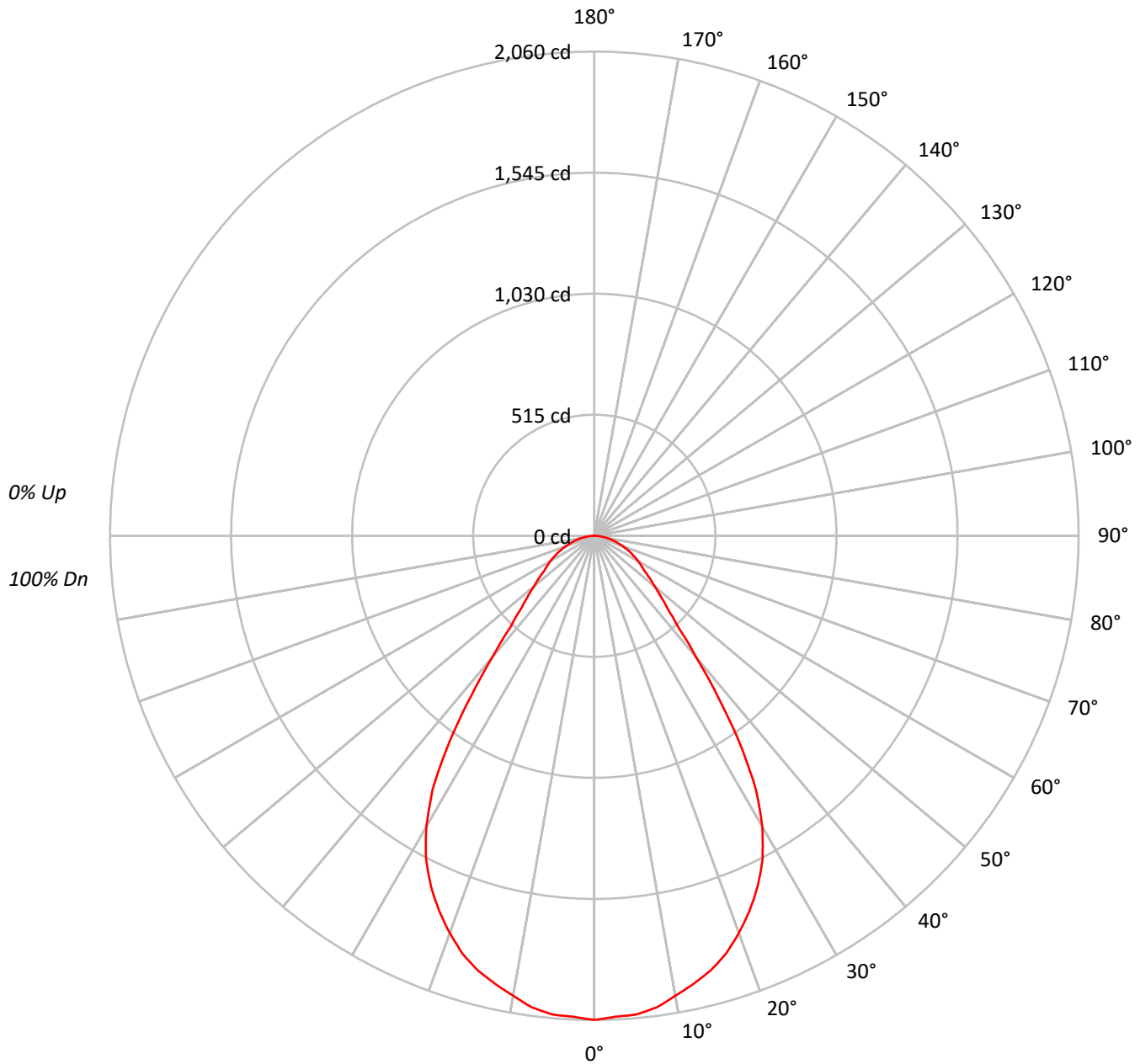
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582147

CATALOG NUMBER: HC630D010-HM63040830-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582147

CATALOG NUMBER: HC630D010-HM63040830-61MDW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112908
5°	112491
10°	110619
15°	108661
20°	104904
25°	99478
30°	90482
35°	72297
40°	48233
45°	34383
50°	28647
55°	24974
60°	23595
65°	22207
70°	20404
75°	19063
80°	17332
85°	15159



TEST NUMBER: P582147

CATALOG NUMBER: HC630D010-HM63040830-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	6.4
10°-20°	537.6	17.7
20°-30°	751.2	24.8
30°-40°	661.8	21.8
40°-50°	357.5	11.8
50°-60°	239.0	7.9
60°-70°	169.4	5.6
70°-80°	95.2	3.1
80°-90°	27.7	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°	1482.2	48.9
0°-40°	2143.9	70.7
0°-60°	2740.5	90.4
0°-90°	3032.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3032.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2060	
5°	2044	193
15°	1915	538
25°	1645	751
35°	1080	662
45°	444	358
55°	261	239
65°	171	169
75°	90	95
85°	24	28
90°	0	



TEST NUMBER: P582147

CATALOG NUMBER: HC630D010-HM63040830-61MDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2059.6
2.5°	2048.6
5°	2044.2
7.5°	2024.5
10°	1987.2
12.5°	1952.0
15°	1914.6
17.5°	1864.1
20°	1798.2
22.5°	1725.8
25°	1644.6
27.5°	1550.2
30°	1429.4
32.5°	1280.1
35°	1080.3
37.5°	863.0
40°	674.0
42.5°	531.4
45°	443.5
47.5°	384.3
50°	335.9
52.5°	296.4
55°	261.3
57.5°	237.1
60°	215.2
62.5°	193.2
65°	171.2
67.5°	149.3
70°	127.3
72.5°	107.6
75°	90.0
77.5°	72.4
80°	54.9
82.5°	39.5
85°	24.1
87.5°	10.9
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)