

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: P582245

Luminaire Tested: **HC630D010-HM63040935-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040935-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3283.6 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

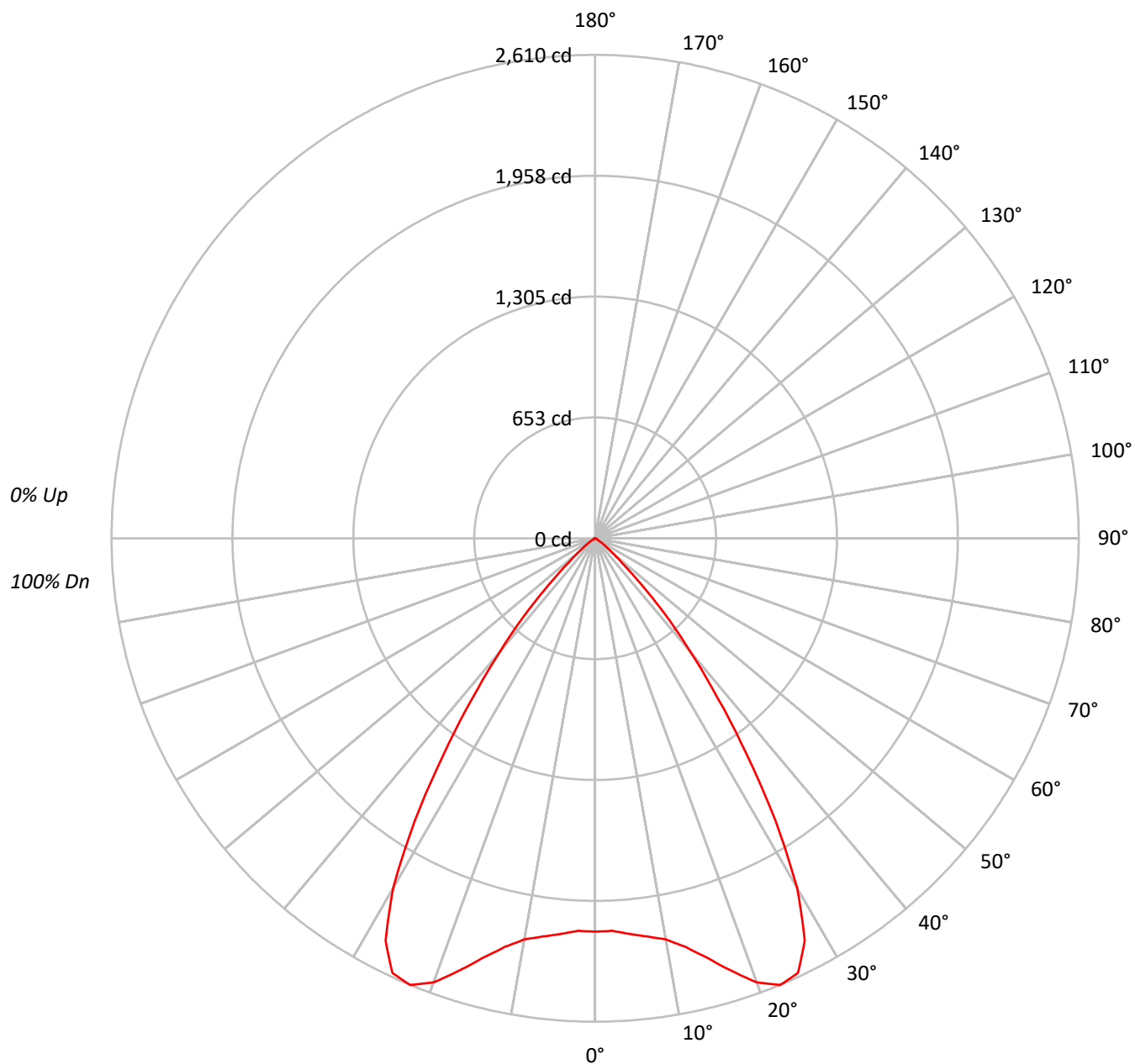
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582245

CATALOG NUMBER: HC630D010-HM63040935-61WDC

Luminous Intensity Polar Plot





TEST NUMBER: P582245

CATALOG NUMBER: HC630D010-HM63040935-61WDC

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	108	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	82		88	84	81		85
4	95	87	81	77	93	86	80	76	84	79	75		82	78	74		80
5	90	81	75	70	88	80	74	70	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	63	59	79	69	63	59	68	62	58		67	62	58		66
8	76	65	59	54	74	65	59	54	64	58	54		62	57	54		61
9	71	61	55	50	70	60	54	50	60	54	50		59	53	50		58
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	116416
5°	117978
10°	122404
15°	133117
20°	148827
25°	156656
30°	137907
35°	95653
40°	57121
45°	27150
50°	10243
55°	4282
60°	1338
65°	1051
70°	641
75°	424
80°	631
85°	0



TEST NUMBER: P582245

CATALOG NUMBER: HC630D010-HM63040935-61WDC

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	6.3
10°-20°	673.5	20.5
20°-30°	1154.1	35.1
30°-40°	896.3	27.3
40°-50°	296.3	9.0
50°-60°	45.4	1.4
60°-70°	8.0	0.2
70°-80°	2.9	0.1
80°-90°	0.8	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°	2033.9	61.9
0°-40°	2930.2	89.2
0°-60°	3271.9	99.6
0°-90°	3283.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3283.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2124	
5°	2144	206
15°	2346	673
25°	2590	1154
35°	1429	896
45°	350	296
55°	45	45
65°	8	8
75°	2	3
85°	0	1
90°	0	



TEST NUMBER: P582245

CATALOG NUMBER: HC630D010-HM63040935-61WDC

CANDELA DISTRIBUTION (FULL):

	0°
0°	2123.6
2.5°	2121.5
5°	2143.9
7.5°	2168.4
10°	2198.9
12.5°	2260.1
15°	2345.5
17.5°	2449.3
20°	2551.1
22.5°	2610.2
25°	2589.9
27.5°	2449.3
30°	2178.6
32.5°	1814.1
35°	1429.3
37.5°	1085.2
40°	798.2
42.5°	563.9
45°	350.2
47.5°	195.5
50°	120.1
52.5°	73.2
55°	44.8
57.5°	22.4
60°	12.2
62.5°	10.2
65°	8.1
67.5°	6.1
70°	4.0
72.5°	4.0
75°	2.0
77.5°	2.0
80°	2.0
82.5°	2.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)