

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: P582204

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040927-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2352.6 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

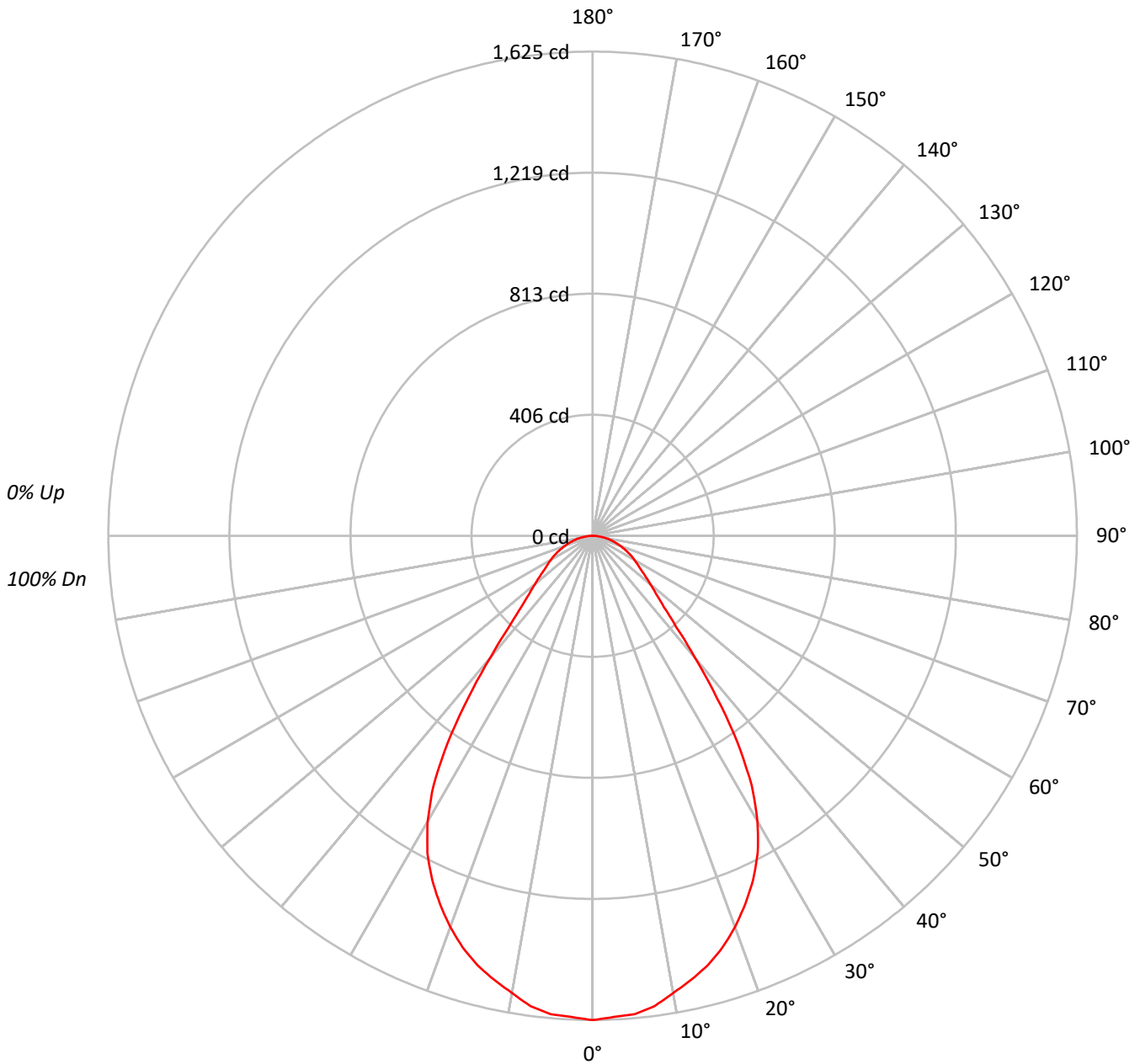
Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582204

CATALOG NUMBER: HC630D010-HM63040927-61NDW

Luminous Intensity Polar Plot





TEST NUMBER: P582204

CATALOG NUMBER: HC630D010-HM63040927-61NDW

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			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	62	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	89105
5°	88686
10°	86722
15°	84694
20°	81510
25°	77085
30°	70055
35°	56704
40°	38236
45°	26274
50°	21526
55°	18838
60°	17817
65°	16824
70°	15804
75°	15017
80°	13670
85°	11951



TEST NUMBER: P582204

CATALOG NUMBER: HC630D010-HM63040927-61NDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	6.5
10°-20°	419.1	17.8
20°-30°	582.2	24.7
30°-40°	518.4	22.0
40°-50°	275.2	11.7
50°-60°	179.9	7.6
60°-70°	129.0	5.5
70°-80°	74.8	3.2
80°-90°	21.9	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°	1153.4	49.0
0°-40°	1671.8	71.1
0°-60°	2126.9	90.4
0°-90°	2352.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2352.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1625	
5°	1612	152
15°	1492	419
25°	1274	582
35°	847	518
45°	339	275
55°	197	180
65°	130	129
75°	71	75
85°	19	22
90°	0	



TEST NUMBER: P582204

CATALOG NUMBER: HC630D010-HM63040927-61NDW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1625.4
2.5°	1616.8
5°	1611.6
7.5°	1592.5
10°	1557.9
12.5°	1526.8
15°	1492.3
17.5°	1449.0
20°	1397.2
22.5°	1338.3
25°	1274.4
27.5°	1200.1
30°	1106.7
32.5°	994.2
35°	847.3
37.5°	684.7
40°	534.3
42.5°	415.0
45°	338.9
47.5°	288.8
50°	252.4
52.5°	223.1
55°	197.1
57.5°	178.1
60°	162.5
62.5°	147.0
65°	129.7
67.5°	114.1
70°	98.6
72.5°	84.8
75°	70.9
77.5°	57.1
80°	43.3
82.5°	31.2
85°	19.0
87.5°	8.7
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)