

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: P582174

Luminaire Tested: **HC630D010-HM63040835-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582174
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-HM63040835-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3370.9 lumens
Efficiency: N/A
Efficacy: 120.4 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

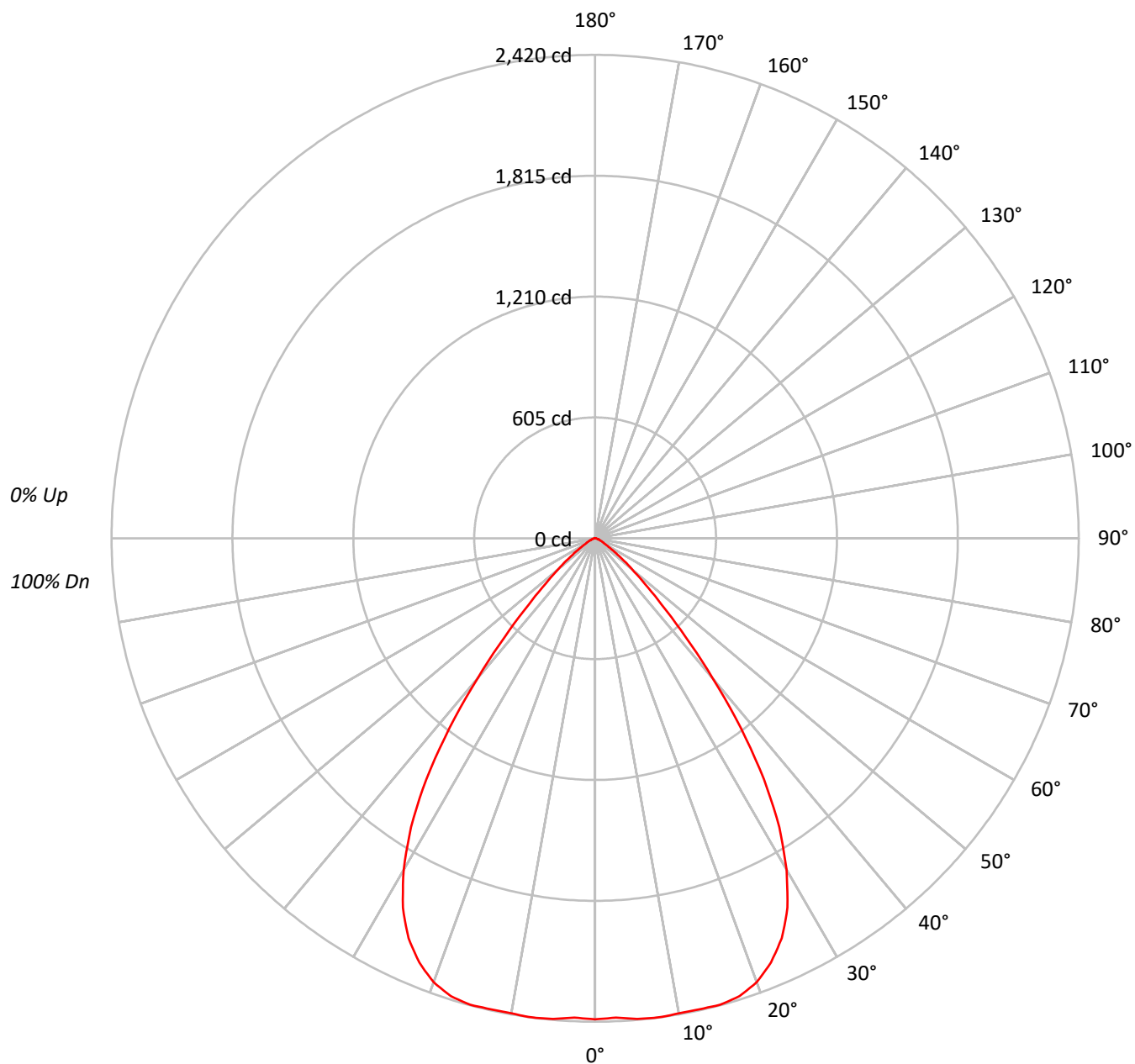
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582174

CATALOG NUMBER: HC630D010-HM63040835-61WDH

Luminous Intensity Polar Plot





TEST NUMBER: P582174

CATALOG NUMBER: HC630D010-HM63040835-61WDH

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	72		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°	132012
5°	132896
10°	134433
15°	137186
20°	137959
25°	133665
30°	121259
35°	98591
40°	65444
45°	36422
50°	20426
55°	11326
60°	6249
65°	4735
70°	3302
75°	2415
80°	1421
85°	1447



TEST NUMBER: P582174

CATALOG NUMBER: HC630D010-HM63040835-61WDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	6.8
10°-20°	681.6	20.2
20°-30°	1004.6	29.8
30°-40°	898.5	26.7
40°-50°	389.8	11.6
50°-60°	114.5	3.4
60°-70°	36.6	1.1
70°-80°	12.9	0.4
80°-90°	1.9	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°	1916.7	56.9
0°-40°	2815.2	83.5
0°-60°	3319.5	98.5
0°-90°	3370.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3370.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2408	
5°	2415	231
15°	2417	682
25°	2210	1005
35°	1473	899
45°	470	390
55°	118	115
65°	36	37
75°	11	13
85°	2	2
90°	0	



TEST NUMBER: P582174

CATALOG NUMBER: HC630D010-HM63040835-61WDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	2408.1
2.5°	2401.3
5°	2415.0
7.5°	2419.5
10°	2415.0
12.5°	2415.0
15°	2417.2
17.5°	2403.6
20°	2364.8
22.5°	2298.7
25°	2209.8
27.5°	2084.3
30°	1915.6
32.5°	1714.9
35°	1473.2
37.5°	1197.2
40°	914.5
42.5°	668.2
45°	469.8
47.5°	335.2
50°	239.5
52.5°	171.0
55°	118.5
57.5°	79.8
60°	57.0
62.5°	45.7
65°	36.5
67.5°	27.3
70°	20.6
72.5°	15.9
75°	11.4
77.5°	9.2
80°	4.5
82.5°	2.3
85°	2.3
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)