

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: P582176

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040835-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3585.2 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

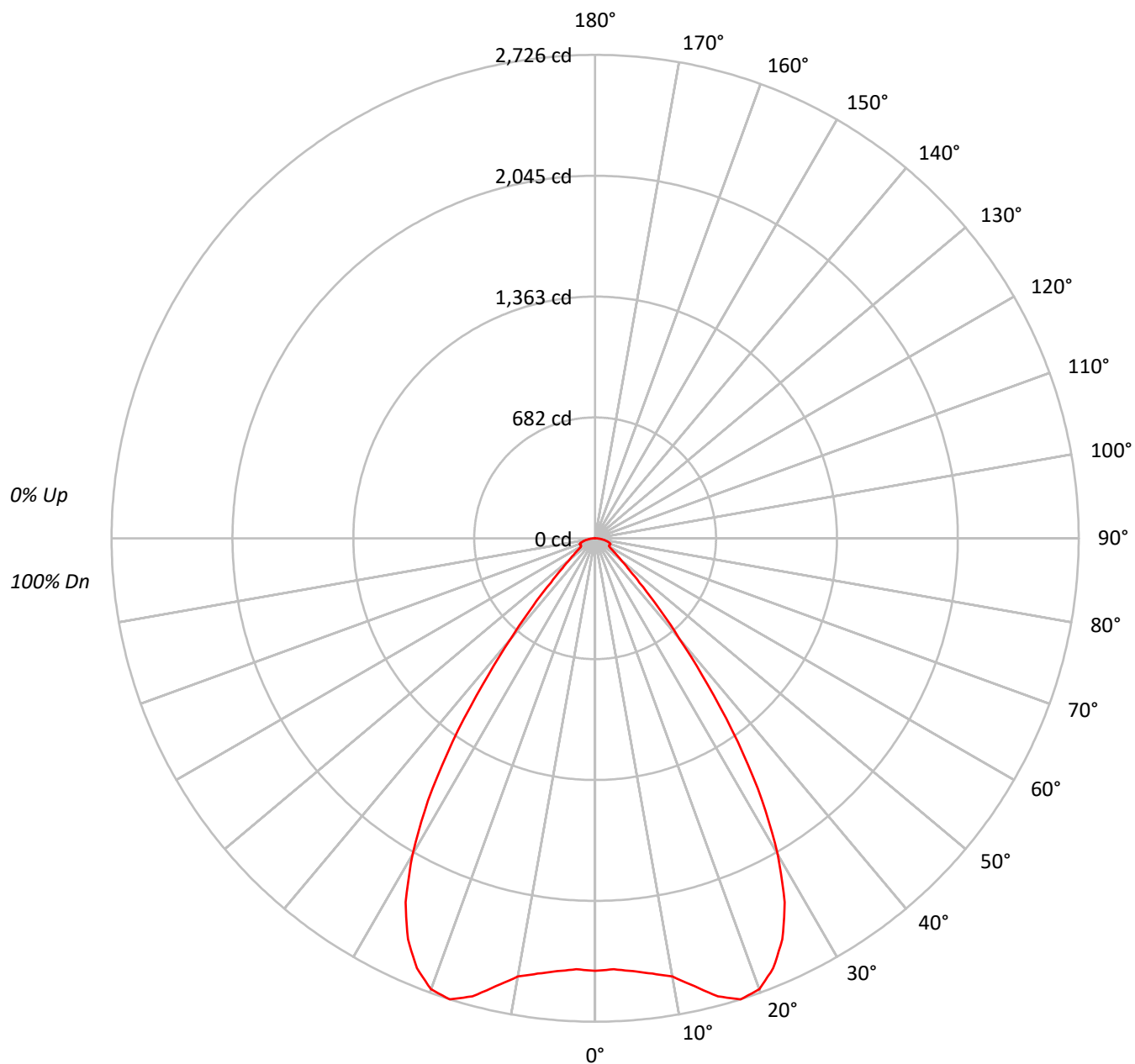
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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	112	109	106	103		110	107	104	102		103	100	98			99	97	95			95
2	106	100	95	91		103	98	94	90		95	91	88			92	89	86			89
3	99	92	86	81		97	90	85	81		88	83	79			85	81	78			83
4	93	85	78	73		91	83	78	73		81	76	72			79	75	71			77
5	88	78	72	67		86	77	71	66		75	70	66			74	69	65			72
6	83	73	66	61		81	72	66	61		70	65	60			69	64	60			67
7	78	68	61	56		77	67	61	56		66	60	56			64	59	55			63
8	74	63	57	52		73	63	56	52		61	56	52			60	55	51			59
9	70	59	53	48		69	59	52	48		58	52	48			57	51	48			56
10	66	56	49	45		65	55	49	45		54	48	45			53	48	44			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	133712
5°	134850
10°	139705
15°	151755
20°	157852
25°	150983
30°	130299
35°	93819
40°	52856
45°	27398
50°	16324
55°	11765
60°	9999
65°	11532
70°	14618
75°	15462
80°	15122
85°	14341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.8	6.6
10°-20°	754.2	21.0
20°-30°	1127.2	31.4
30°-40°	861.7	24.0
40°-50°	301.0	8.4
50°-60°	114.7	3.2
60°-70°	90.0	2.5
70°-80°	76.1	2.1
80°-90°	24.5	0.7
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°	2117.2	59.1
0°-40°	2978.9	83.1
0°-60°	3394.5	94.7
0°-90°	3585.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3585.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2439	
5°	2450	236
15°	2674	754
25°	2496	1127
35°	1402	862
45°	353	301
55°	123	115
65°	89	90
75°	73	76
85°	23	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2439.1
2.5°	2432.2
5°	2450.5
7.5°	2475.6
10°	2509.7
12.5°	2587.3
15°	2673.9
17.5°	2726.4
20°	2705.8
22.5°	2623.8
25°	2496.1
27.5°	2313.8
30°	2058.4
32.5°	1752.9
35°	1401.9
37.5°	1039.4
40°	738.6
42.5°	517.5
45°	353.4
47.5°	248.5
50°	191.4
52.5°	150.4
55°	123.1
57.5°	100.4
60°	91.2
62.5°	88.9
65°	88.9
67.5°	93.5
70°	91.2
72.5°	84.3
75°	73.0
77.5°	61.6
80°	47.9
82.5°	34.2
85°	22.8
87.5°	9.2
90°	0.0



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— 0°-180°







(END OF REPORT)