

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: P582158

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582158
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-HM63040830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3454.7 lumens
Efficiency: N/A
Efficacy: 123.4 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

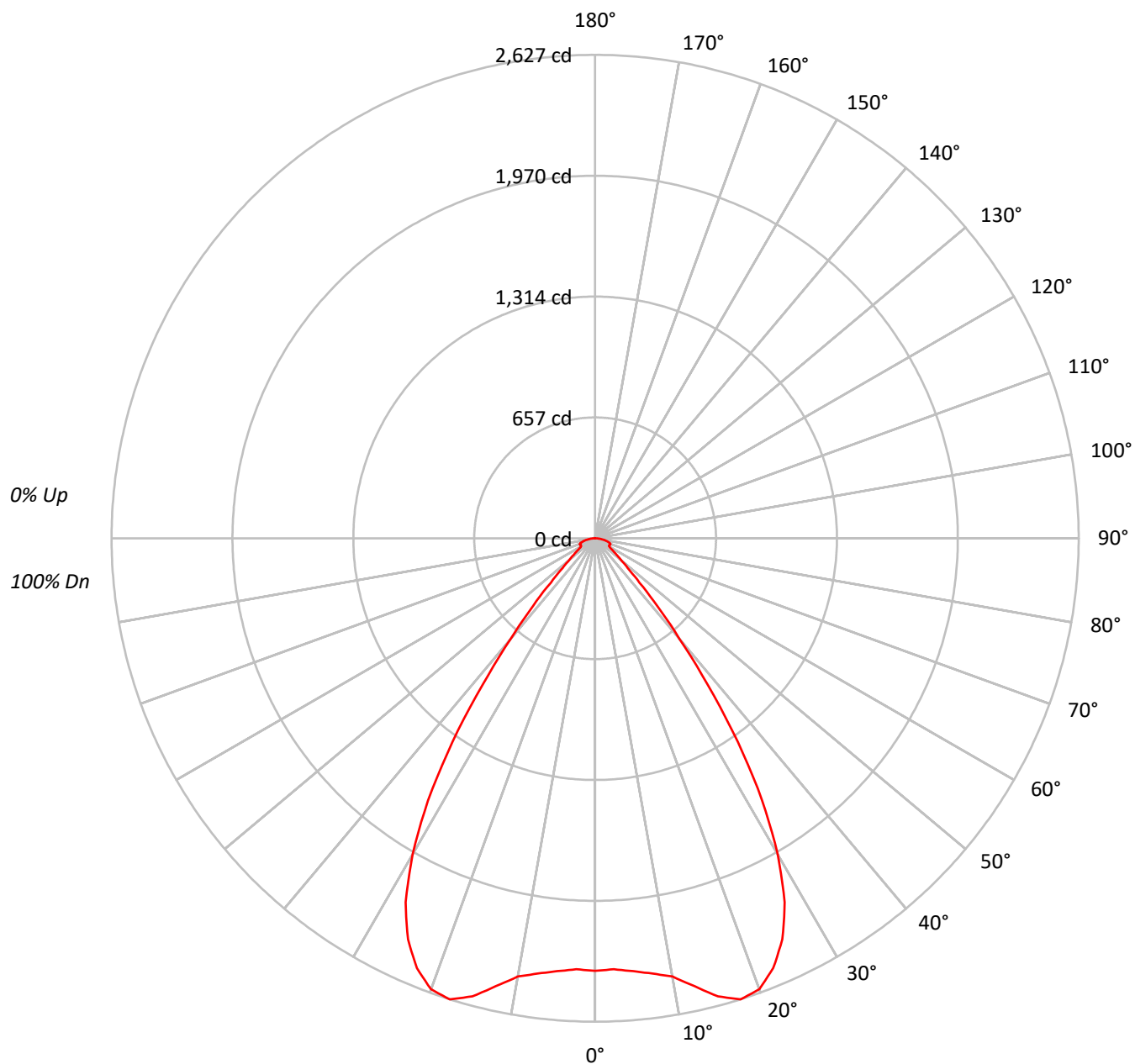
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	128849
5°	129947
10°	134628
15°	146238
20°	152112
25°	145490
30°	125564
35°	90406
40°	50931
45°	26398
50°	15735
55°	11345
60°	9637
65°	11117
70°	14089
75°	14890
80°	14554
85°	13838



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.2	6.6
10°-20°	726.7	21.0
20°-30°	1086.2	31.4
30°-40°	830.3	24.0
40°-50°	290.1	8.4
50°-60°	110.5	3.2
60°-70°	86.7	2.5
70°-80°	73.3	2.1
80°-90°	23.6	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°	2040.2	59.1
0°-40°	2870.5	83.1
0°-60°	3271.1	94.7
0°-90°	3454.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3454.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2350	
5°	2361	227
15°	2577	727
25°	2405	1086
35°	1351	830
45°	340	290
55°	119	111
65°	86	87
75°	70	73
85°	22	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2350.4
2.5°	2343.8
5°	2361.4
7.5°	2385.5
10°	2418.5
12.5°	2493.2
15°	2576.7
17.5°	2627.2
20°	2607.4
22.5°	2528.3
25°	2405.3
27.5°	2229.6
30°	1983.6
32.5°	1689.2
35°	1350.9
37.5°	1001.6
40°	711.7
42.5°	498.7
45°	340.5
47.5°	239.5
50°	184.5
52.5°	144.9
55°	118.7
57.5°	96.7
60°	87.9
62.5°	85.7
65°	85.7
67.5°	90.0
70°	87.9
72.5°	81.3
75°	70.3
77.5°	59.3
80°	46.1
82.5°	32.9
85°	22.0
87.5°	8.8
90°	0.0



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— 0°-180°







(END OF REPORT)