

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: P582248

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582248
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-HM63040935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3202.3 lumens
Efficiency: N/A
Efficacy: 114.4 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

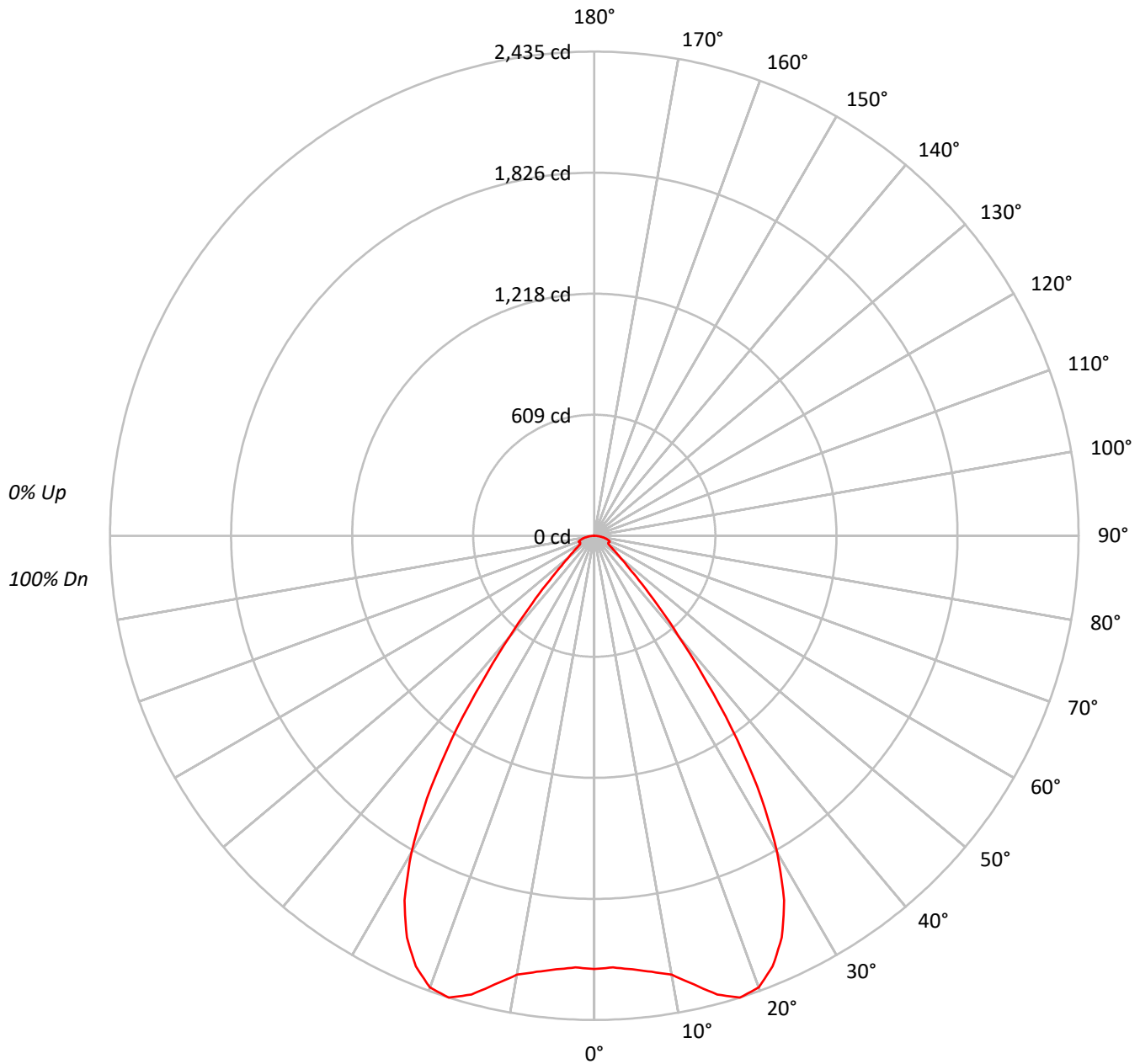
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	119437
5°	120449
10°	124786
15°	135546
20°	140998
25°	134863
30°	116391
35°	83808
40°	47210
45°	24468
50°	14584
55°	10513
60°	8925
65°	10299
70°	13047
75°	13810
80°	13512
85°	12769



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	6.6
10°-20°	673.6	21.0
20°-30°	1006.9	31.4
30°-40°	769.7	24.0
40°-50°	268.8	8.4
50°-60°	102.4	3.2
60°-70°	80.3	2.5
70°-80°	68.0	2.1
80°-90°	21.9	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°	1891.1	59.1
0°-40°	2660.8	83.1
0°-60°	3032.1	94.7
0°-90°	3202.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3202.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2179	
5°	2189	211
15°	2388	674
25°	2230	1007
35°	1252	770
45°	316	269
55°	110	102
65°	79	80
75°	65	68
85°	20	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2178.7
2.5°	2172.5
5°	2188.8
7.5°	2211.3
10°	2241.7
12.5°	2311.1
15°	2388.3
17.5°	2435.2
20°	2416.9
22.5°	2343.6
25°	2229.6
27.5°	2066.7
30°	1838.7
32.5°	1565.8
35°	1252.3
37.5°	928.5
40°	659.7
42.5°	462.2
45°	315.6
47.5°	222.0
50°	171.0
52.5°	134.4
55°	110.0
57.5°	89.5
60°	81.4
62.5°	79.4
65°	79.4
67.5°	83.5
70°	81.4
72.5°	75.4
75°	65.2
77.5°	54.9
80°	42.8
82.5°	30.6
85°	20.3
87.5°	8.1
90°	0.0



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— 0°-180°







(END OF REPORT)