

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: P582210

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582210
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-HM63040927-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2556.6 lumens
Efficiency: N/A
Efficacy: 91.3 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

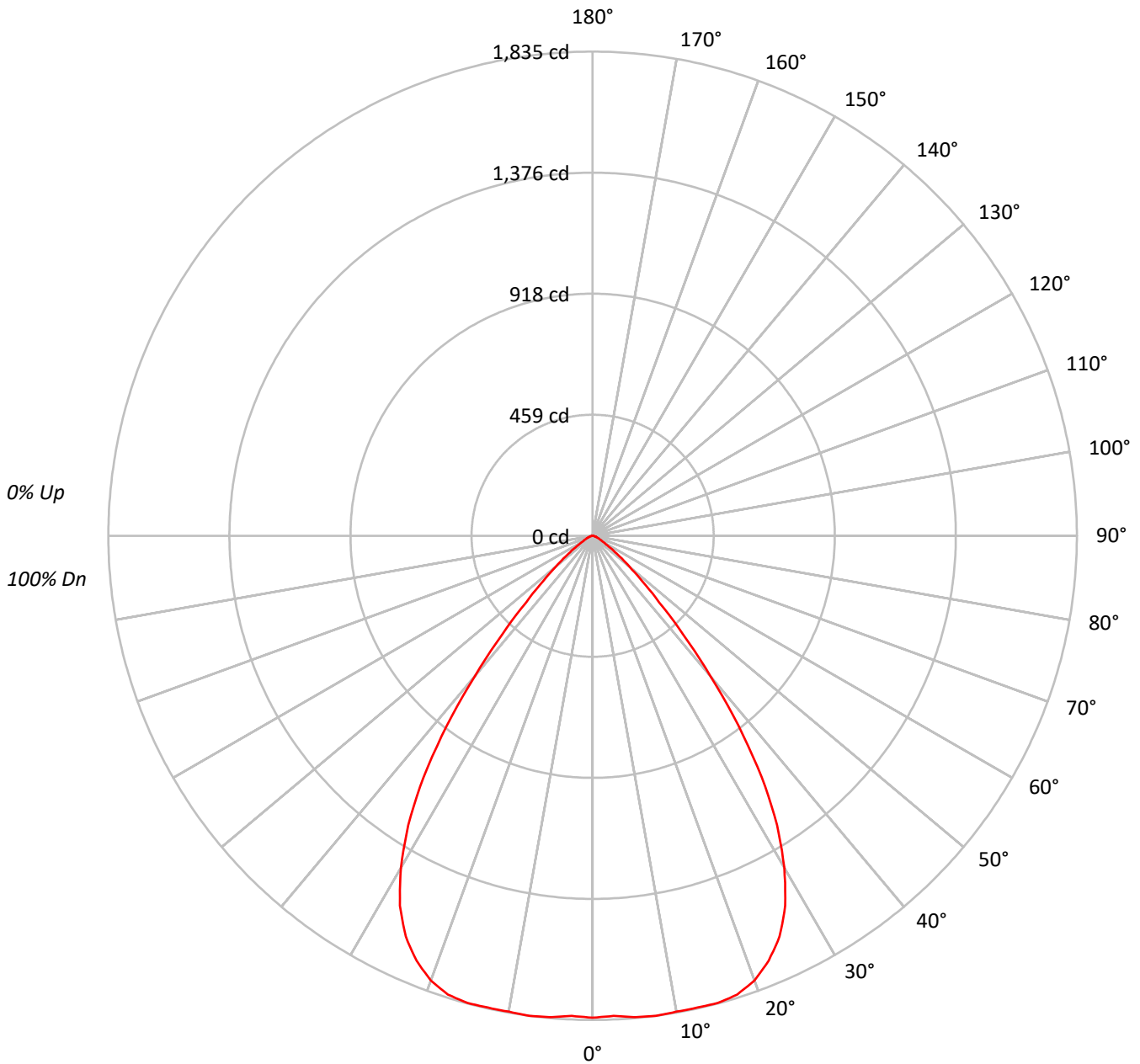
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			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	100	100
1	113	110	107	105	110	108	105	103	103	101	100	100	98	97	96	95	94	92	92	92	92
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77	77	77	77
4	94	86	79	75	92	85	79	74	82	77	73	80	76	72	78	75	72	70	70	70	70
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64	64	64	64
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59	59	59	59
7	79	68	62	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54	54	54	54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50	50	50	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46	46	46	46
10	66	56	49	45	65	55	49	45	54	49	45	53	48	45	53	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	100124
5°	100787
10°	101952
15°	104047
20°	104630
25°	101371
30°	91964
35°	74773
40°	49629
45°	27623
50°	15488
55°	8592
60°	4747
65°	3593
70°	2500
75°	1843
80°	1073
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	6.8
10°-20°	516.9	20.2
20°-30°	761.9	29.8
30°-40°	681.5	26.7
40°-50°	295.6	11.6
50°-60°	86.9	3.4
60°-70°	27.8	1.1
70°-80°	9.8	0.4
80°-90°	1.4	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°	1453.6	56.9
0°-40°	2135.1	83.5
0°-60°	2517.6	98.5
0°-90°	2556.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2556.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1826	
5°	1832	175
15°	1833	517
25°	1676	762
35°	1117	681
45°	356	296
55°	90	87
65°	28	28
75°	9	10
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1826.4
2.5°	1821.2
5°	1831.5
7.5°	1835.0
10°	1831.5
12.5°	1831.5
15°	1833.3
17.5°	1823.0
20°	1793.5
22.5°	1743.4
25°	1675.9
27.5°	1580.8
30°	1452.8
32.5°	1300.6
35°	1117.3
37.5°	908.0
40°	693.5
42.5°	506.8
45°	356.3
47.5°	254.2
50°	181.6
52.5°	129.7
55°	89.9
57.5°	60.5
60°	43.3
62.5°	34.6
65°	27.7
67.5°	20.8
70°	15.6
72.5°	12.1
75°	8.7
77.5°	6.9
80°	3.4
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)