

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: P582146

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC630D010-HM63040830-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3112.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

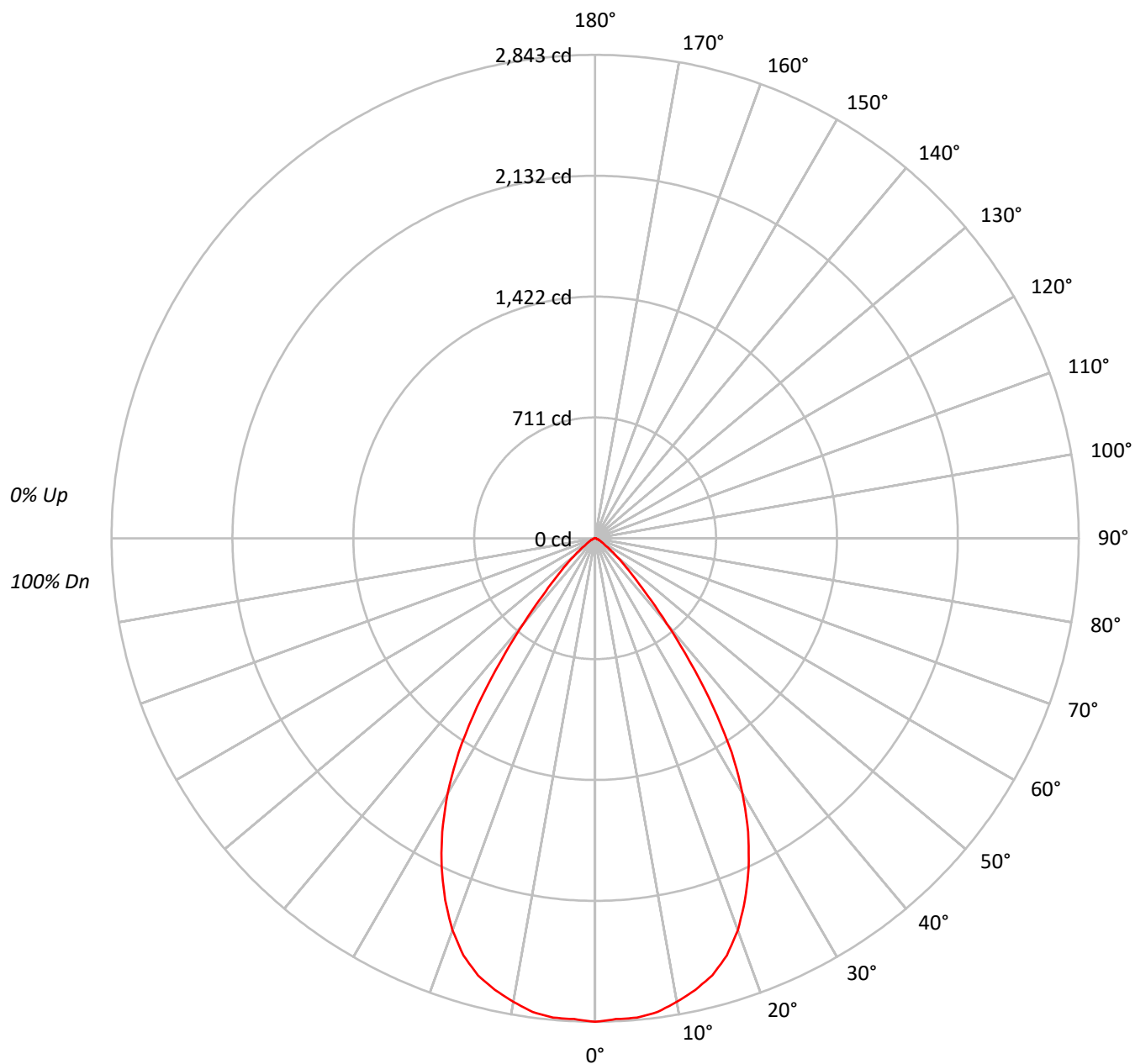
Input Watts (W): 28
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		86
4	96	88	82	77	94	86	81	77	84	79	76		82	78	75		80
5	90	81	75	71	89	80	75	70	79	74	70		77	73	69		75
6	85	76	70	65	84	75	69	65	74	68	64		72	67	64		71
7	81	71	65	60	79	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	155870
5°	155739
10°	154111
15°	151017
20°	143052
25°	129183
30°	109738
35°	81017
40°	46859
45°	24871
50°	14055
55°	7350
60°	4824
65°	3424
70°	2452
75°	1864
80°	1389
85°	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.2	8.6
10°-20°	744.2	23.9
20°-30°	971.3	31.2
30°-40°	742.3	23.9
40°-50°	268.8	8.6
50°-60°	78.0	2.5
60°-70°	27.9	0.9
70°-80°	9.5	0.3
80°-90°	1.7	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°	1983.8	63.7
0°-40°	2726.0	87.6
0°-60°	3072.8	98.7
0°-90°	3112.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3112.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2843	
5°	2830	268
15°	2661	744
25°	2136	971
35°	1211	742
45°	321	269
55°	77	78
65°	26	28
75°	9	9
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2843.3
2.5°	2830.1
5°	2830.1
7.5°	2810.2
10°	2768.5
12.5°	2720.2
15°	2660.9
17.5°	2573.0
20°	2452.1
22.5°	2302.7
25°	2135.7
27.5°	1946.7
30°	1733.6
32.5°	1494.1
35°	1210.6
37.5°	914.0
40°	654.8
42.5°	452.7
45°	320.8
47.5°	230.7
50°	164.8
52.5°	116.4
55°	76.9
57.5°	54.9
60°	44.0
62.5°	35.2
65°	26.4
67.5°	22.0
70°	15.3
72.5°	10.9
75°	8.8
77.5°	6.5
80°	4.4
82.5°	2.1
85°	2.1
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)