

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: P581642

Luminaire Tested: **HC610D010-HM60525930-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581642
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: HC610D010-HM60525930-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 948.0 lumens
Efficiency: N/A
Efficacy: 95.8 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

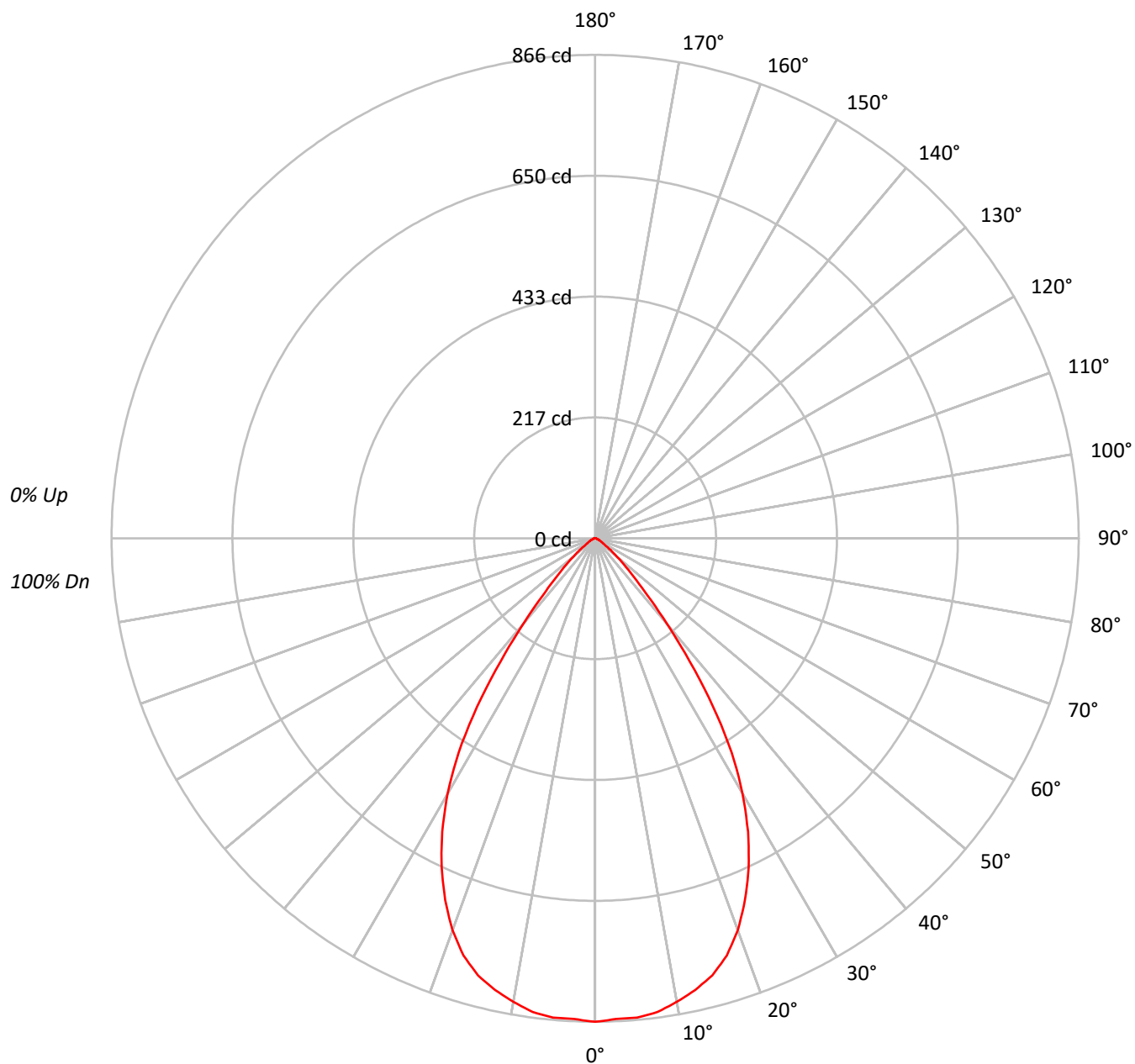
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79		
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72		
5	90	81	75	71	89	80	75	70	79	74	70	77	73	69	75	72	68	67		
6	85	76	70	65	84	75	69	65	74	68	64	72	67	64	71	67	63	62		
7	81	71	65	60	79	70	64	60	69	64	60	68	63	59	67	62	59	57		
8	77	67	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	50		
10	69	59	53	49	68	58	52	48	57	52	48	57	52	48	56	51	48	47		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47480
5°	47435
10°	46943
15°	45999
20°	43573
25°	39353
30°	33429
35°	24681
40°	14277
45°	7574
50°	4273
55°	2236
60°	1469
65°	1038
70°	737
75°	572
80°	442
85°	440



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	8.6
10°-20°	226.7	23.9
20°-30°	295.9	31.2
30°-40°	226.1	23.9
40°-50°	81.9	8.6
50°-60°	23.8	2.5
60°-70°	8.5	0.9
70°-80°	2.9	0.3
80°-90°	0.6	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°	604.3	63.7
0°-40°	830.4	87.6
0°-60°	936.0	98.7
0°-90°	948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	948.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	866	
5°	862	82
15°	810	227
25°	651	296
35°	369	226
45°	98	82
55°	23	24
65°	8	9
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	866.1
2.5°	862.0
5°	862.0
7.5°	856.0
10°	843.3
12.5°	828.6
15°	810.5
17.5°	783.8
20°	746.9
22.5°	701.4
25°	650.6
27.5°	592.9
30°	528.1
32.5°	455.2
35°	368.8
37.5°	278.5
40°	199.5
42.5°	137.9
45°	97.7
47.5°	70.3
50°	50.1
52.5°	35.4
55°	23.4
57.5°	16.8
60°	13.4
62.5°	10.8
65°	8.0
67.5°	6.7
70°	4.6
72.5°	3.4
75°	2.7
77.5°	2.0
80°	1.4
82.5°	0.7
85°	0.7
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)