

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: P581778

Luminaire Tested: **HC615D010-HM60525927-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581778
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: HC615D010-HM60525927-61WDH
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: 1238.5 lumens
Efficiency: N/A
Efficacy: 88.5 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

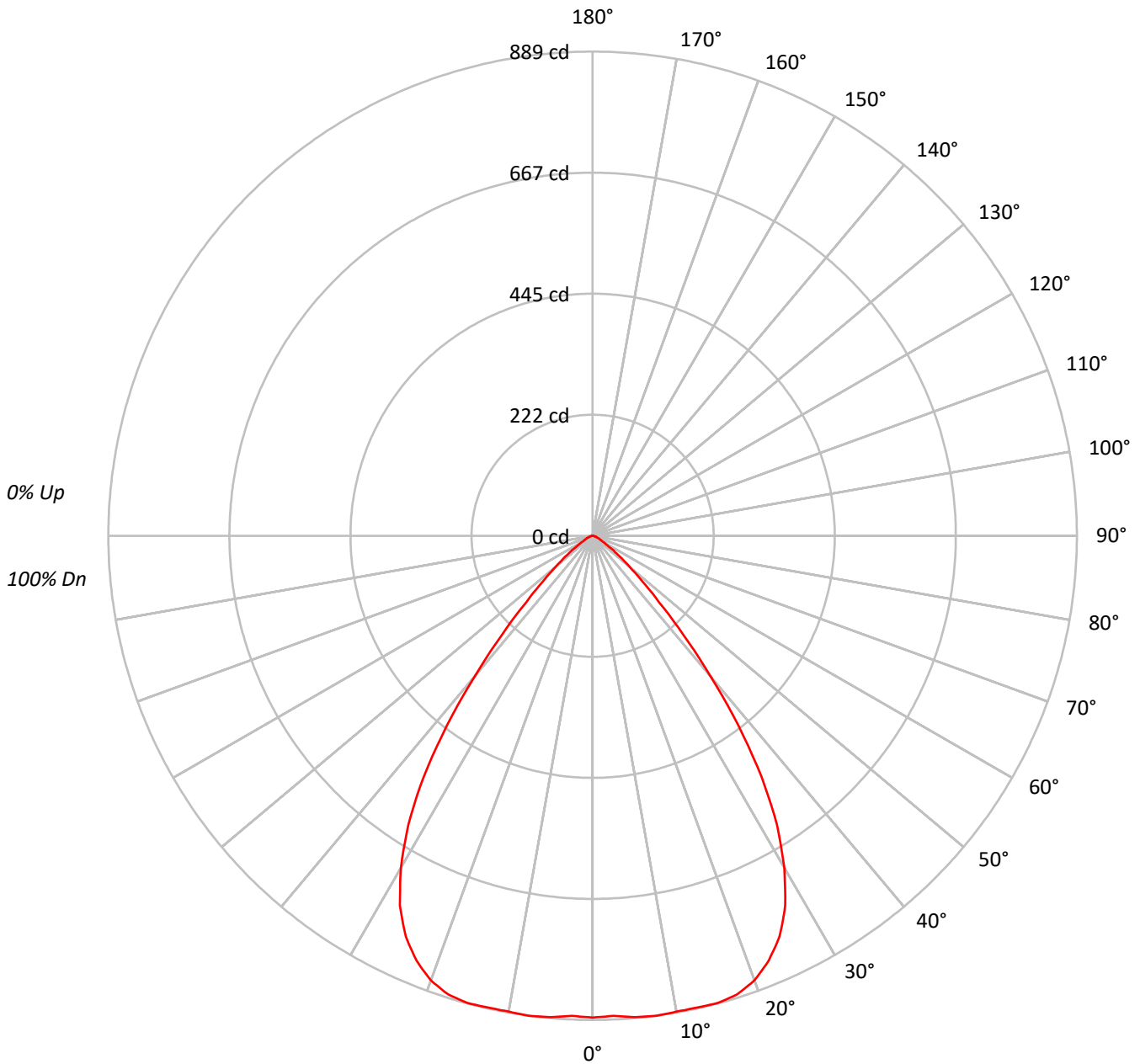
Input Watts (W): 14
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48499
5°	48822
10°	49387
15°	50398
20°	50684
25°	49110
30°	44545
35°	36219
40°	24045
45°	13381
50°	7505
55°	4167
60°	2302
65°	1738
70°	1202
75°	890
80°	537
85°	503



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	6.8
10°-20°	250.4	20.2
20°-30°	369.1	29.8
30°-40°	330.1	26.7
40°-50°	143.2	11.6
50°-60°	42.1	3.4
60°-70°	13.5	1.1
70°-80°	4.8	0.4
80°-90°	0.7	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°	704.2	56.9
0°-40°	1034.3	83.5
0°-60°	1219.6	98.5
0°-90°	1238.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1238.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	885	
5°	887	85
15°	888	250
25°	812	369
35°	541	330
45°	173	143
55°	44	42
65°	13	13
75°	4	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	884.7
2.5°	882.2
5°	887.2
7.5°	888.9
10°	887.2
12.5°	887.2
15°	888.0
17.5°	883.0
20°	868.8
22.5°	844.6
25°	811.9
27.5°	765.8
30°	703.7
32.5°	630.0
35°	541.2
37.5°	439.8
40°	336.0
42.5°	245.5
45°	172.6
47.5°	123.1
50°	88.0
52.5°	62.9
55°	43.6
57.5°	29.3
60°	21.0
62.5°	16.8
65°	13.4
67.5°	10.1
70°	7.5
72.5°	5.9
75°	4.2
77.5°	3.4
80°	1.7
82.5°	0.8
85°	0.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)