

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: P593098

Luminaire Tested: **HC615D010-HM60525850-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC615D010-HM60525850-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1522.1 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

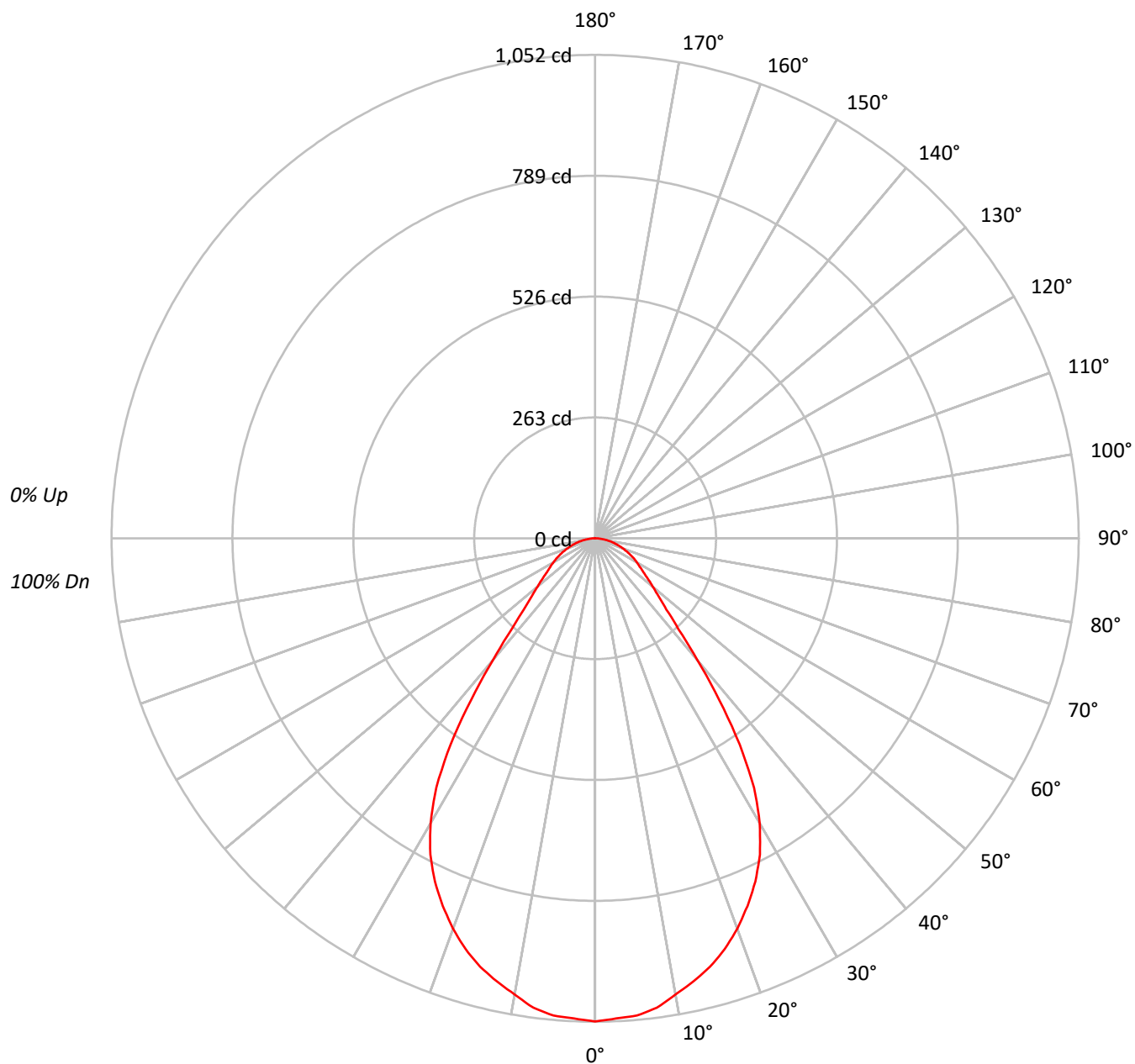
Input Watts (W): 14
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	50		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	62	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57649
5°	57374
10°	56111
15°	54790
20°	52732
25°	49872
30°	45323
35°	36687
40°	24739
45°	17002
50°	13927
55°	12196
60°	11534
65°	10883
70°	10226
75°	9722
80°	8808
85°	7737



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.4	6.5
10°-20°	271.1	17.8
20°-30°	376.7	24.7
30°-40°	335.4	22.0
40°-50°	178.0	11.7
50°-60°	116.5	7.7
60°-70°	83.5	5.5
70°-80°	48.4	3.2
80°-90°	14.1	0.9
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°	746.2	49.0
0°-40°	1081.6	71.1
0°-60°	1376.1	90.4
0°-90°	1522.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1522.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1052	
5°	1043	98
15°	965	271
25°	824	377
35°	548	335
45°	219	178
55°	128	116
65°	84	83
75°	46	48
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1051.6
2.5°	1046.0
5°	1042.6
7.5°	1030.4
10°	1008.0
12.5°	987.8
15°	965.4
17.5°	937.5
20°	903.9
22.5°	865.9
25°	824.5
27.5°	776.3
30°	716.0
32.5°	643.3
35°	548.2
37.5°	443.0
40°	345.7
42.5°	268.5
45°	219.3
47.5°	186.8
50°	163.3
52.5°	144.4
55°	127.6
57.5°	115.2
60°	105.2
62.5°	95.1
65°	83.9
67.5°	73.9
70°	63.8
72.5°	54.8
75°	45.9
77.5°	36.9
80°	27.9
82.5°	20.1
85°	12.3
87.5°	5.6
90°	0.0



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— 0°-180°







(END OF REPORT)