

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: P581870

Luminaire Tested: **HC620D010-HM60525830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC620D010-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2264.5 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

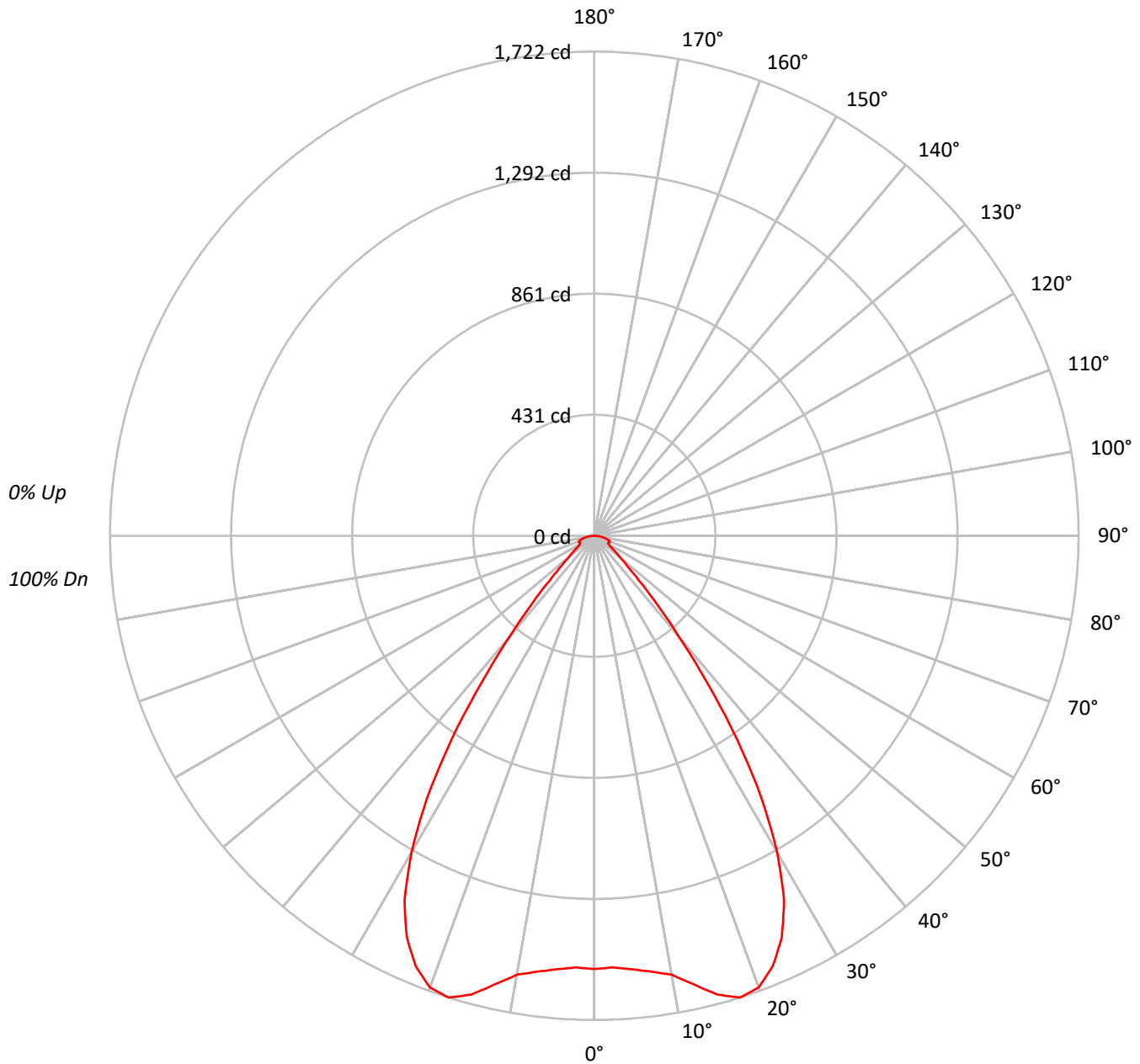
Input Watts (W): 20
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	103	110	107	104	102	103	100	98		99	97	95		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83
4	93	85	78	73	91	83	78	73	81	76	72		79	75	71		77
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	70	65	60		69	64	60		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	63	57	52	73	63	56	52	61	56	52		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84461
5°	85175
10°	88247
15°	95858
20°	99706
25°	95364
30°	82297
35°	59267
40°	33384
45°	17304
50°	10311
55°	7426
60°	6315
65°	7290
70°	9232
75°	9764
80°	9566
85°	9057



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	6.6
10°-20°	476.4	21.0
20°-30°	712.0	31.4
30°-40°	544.3	24.0
40°-50°	190.1	8.4
50°-60°	72.4	3.2
60°-70°	56.8	2.5
70°-80°	48.1	2.1
80°-90°	15.5	0.7
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°	1337.3	59.1
0°-40°	1881.6	83.1
0°-60°	2144.1	94.7
0°-90°	2264.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2264.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1541	
5°	1548	149
15°	1689	476
25°	1577	712
35°	886	544
45°	223	190
55°	78	72
65°	56	57
75°	46	48
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1540.7
2.5°	1536.3
5°	1547.8
7.5°	1563.7
10°	1585.3
12.5°	1634.2
15°	1689.0
17.5°	1722.0
20°	1709.1
22.5°	1657.2
25°	1576.6
27.5°	1461.5
30°	1300.1
32.5°	1107.3
35°	885.6
37.5°	656.6
40°	466.5
42.5°	326.9
45°	223.2
47.5°	156.9
50°	120.9
52.5°	95.1
55°	77.7
57.5°	63.3
60°	57.6
62.5°	56.2
65°	56.2
67.5°	59.0
70°	57.6
72.5°	53.3
75°	46.1
77.5°	38.9
80°	30.3
82.5°	21.6
85°	14.4
87.5°	5.8
90°	0.0



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— 0°-180°







(END OF REPORT)