

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: P583184

Luminaire Tested: **HC660D010-HM64560835-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583184
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: HC660D010-HM64560835-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6259.0 lumens
Efficiency: N/A
Efficacy: 113.8 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

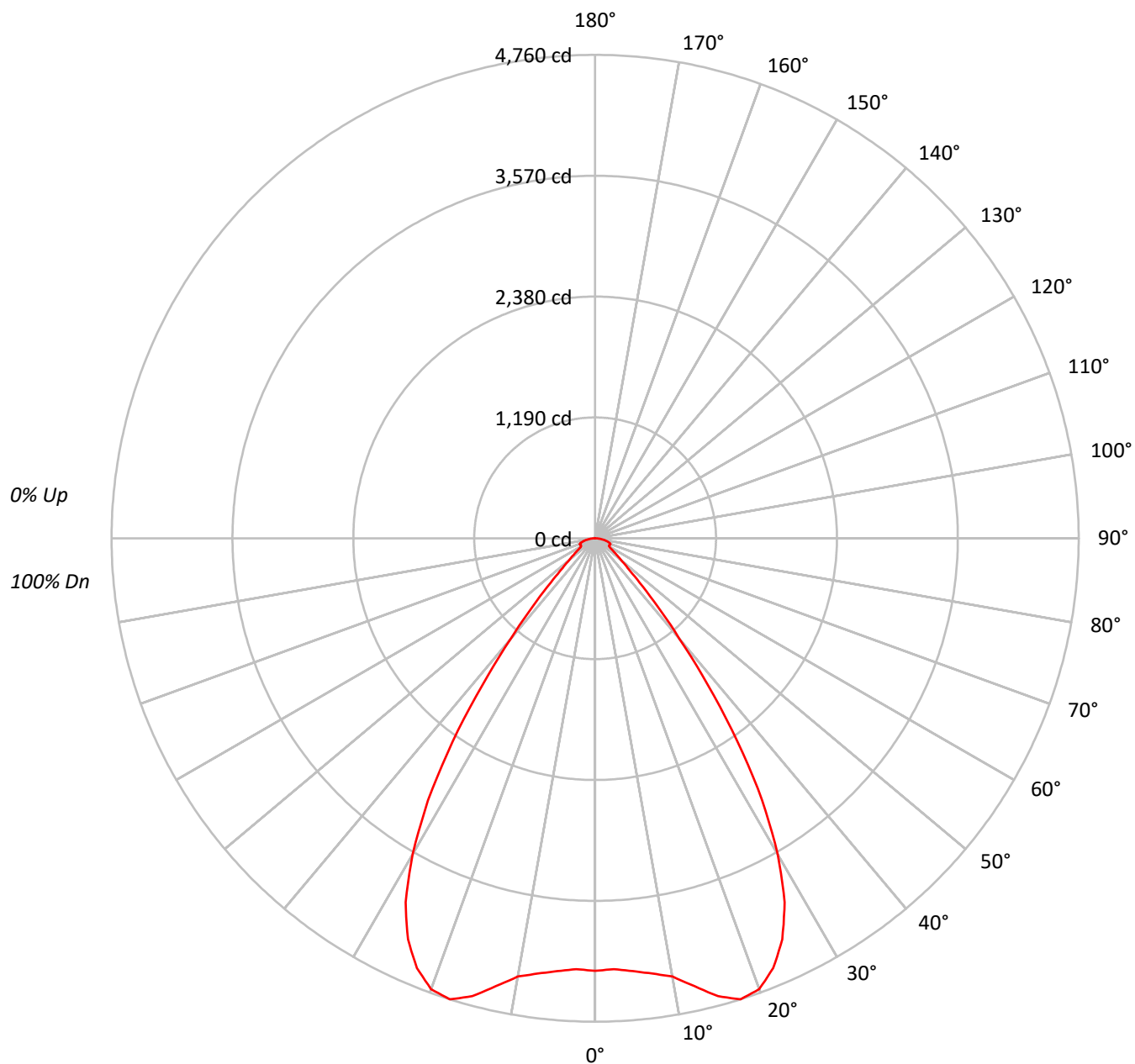
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	233441
5°	235428
10°	243911
15°	264939
20°	275585
25°	263592
30°	227484
35°	163801
40°	92273
45°	47819
50°	28511
55°	20539
60°	17444
65°	20145
70°	25501
75°	26963
80°	26392
85°	25034



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.7	6.6
10°-20°	1316.6	21.0
20°-30°	1968.0	31.4
30°-40°	1504.4	24.0
40°-50°	525.4	8.4
50°-60°	200.2	3.2
60°-70°	157.1	2.5
70°-80°	132.9	2.1
80°-90°	42.8	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°	3696.3	59.1
0°-40°	5200.6	83.1
0°-60°	5926.3	94.7
0°-90°	6259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6259.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4258	
5°	4278	412
15°	4668	1317
25°	4358	1968
35°	2448	1504
45°	617	525
55°	215	200
65°	155	157
75°	127	133
85°	40	43
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4258.3
2.5°	4246.4
5°	4278.2
7.5°	4322.0
10°	4381.7
12.5°	4517.0
15°	4668.2
17.5°	4759.7
20°	4723.9
22.5°	4580.6
25°	4357.8
27.5°	4039.4
30°	3593.7
32.5°	3060.4
35°	2447.6
37.5°	1814.8
40°	1289.4
42.5°	903.4
45°	616.8
47.5°	433.8
50°	334.3
52.5°	262.6
55°	214.9
57.5°	175.1
60°	159.1
62.5°	155.3
65°	155.3
67.5°	163.1
70°	159.1
72.5°	147.3
75°	127.3
77.5°	107.5
80°	83.6
82.5°	59.7
85°	39.8
87.5°	16.0
90°	0.0



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— 0°-180°







(END OF REPORT)