

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: P583135

Luminaire Tested: **HC660D010-HM64560827-61MDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560827-61MDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5560.9 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 0.96
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

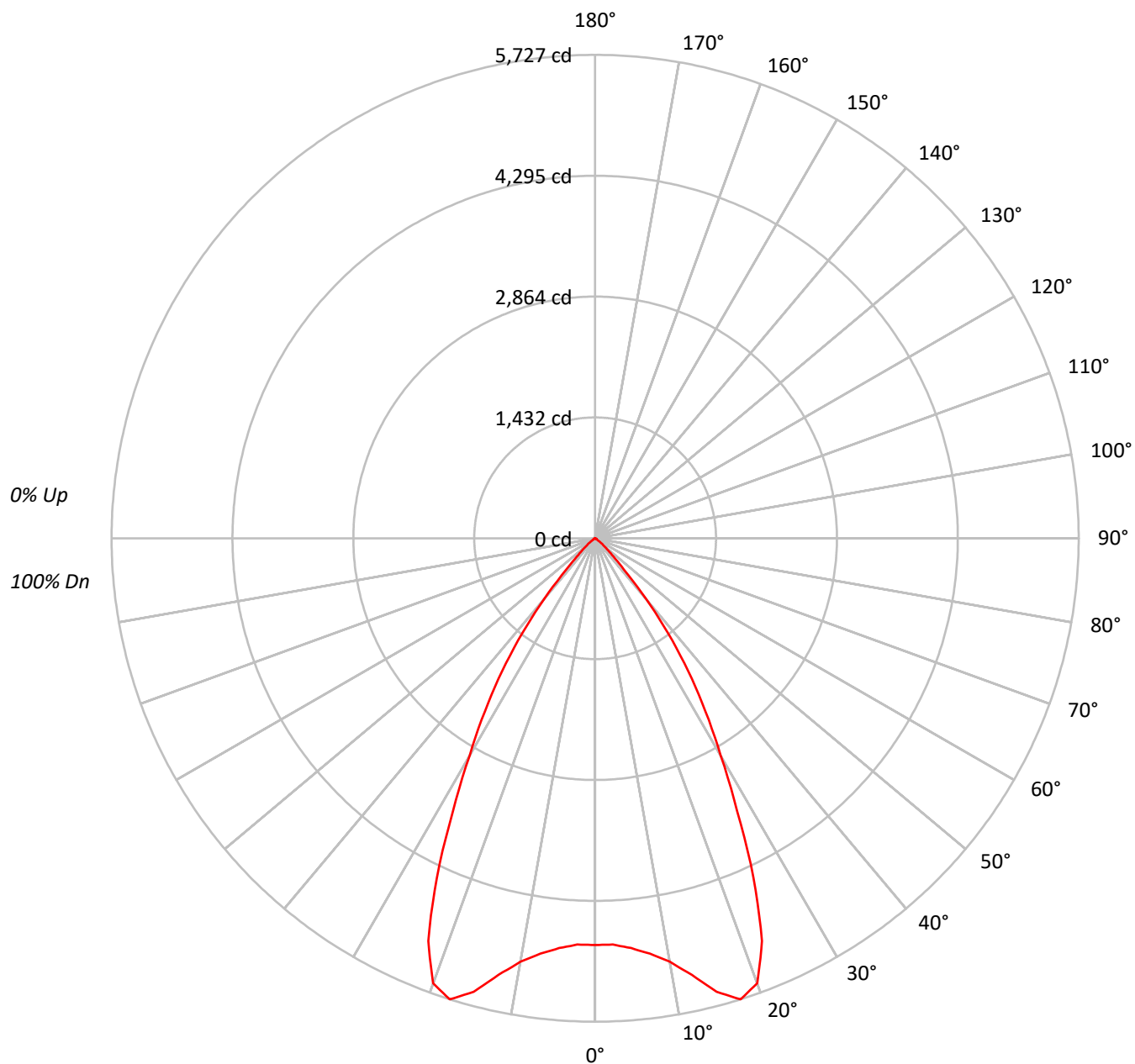
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	89	83	79	86	82	79		84	81	78		83
5	92	84	78	74	91	83	78	73	81	76	73		80	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	73	68	63	72	67	63		71	66	63		70
8	79	70	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	264074
5°	268187
10°	283462
15°	315620
20°	327308
25°	268552
30°	188181
35°	128379
40°	66882
45°	23514
50°	10524
55°	3374
60°	1930
65°	1362
70°	1138
75°	741
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.1	8.5
10°-20°	1564.0	28.1
20°-30°	1991.4	35.8
30°-40°	1186.8	21.3
40°-50°	287.8	5.2
50°-60°	44.2	0.8
60°-70°	10.9	0.2
70°-80°	3.7	0.1
80°-90°	0.0	0.0
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°	4027.5	72.4
0°-40°	5214.4	93.8
0°-60°	5546.4	99.7
0°-90°	5560.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5560.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4817	
5°	4874	472
15°	5561	1564
25°	4440	1991
35°	1918	1187
45°	303	288
55°	35	44
65°	10	11
75°	4	4
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4817.1
2.5°	4817.1
5°	4873.5
7.5°	4961.7
10°	5092.2
12.5°	5296.7
15°	5561.2
17.5°	5726.9
20°	5610.5
22.5°	5162.7
25°	4439.8
27.5°	3642.8
30°	2972.8
32.5°	2429.7
35°	1918.3
37.5°	1414.1
40°	934.6
42.5°	504.3
45°	303.3
47.5°	190.4
50°	123.4
52.5°	74.1
55°	35.3
57.5°	21.2
60°	17.6
62.5°	14.1
65°	10.5
67.5°	7.1
70°	7.1
72.5°	3.5
75°	3.5
77.5°	3.5
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)