

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: P583175

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560835-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5777.5 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

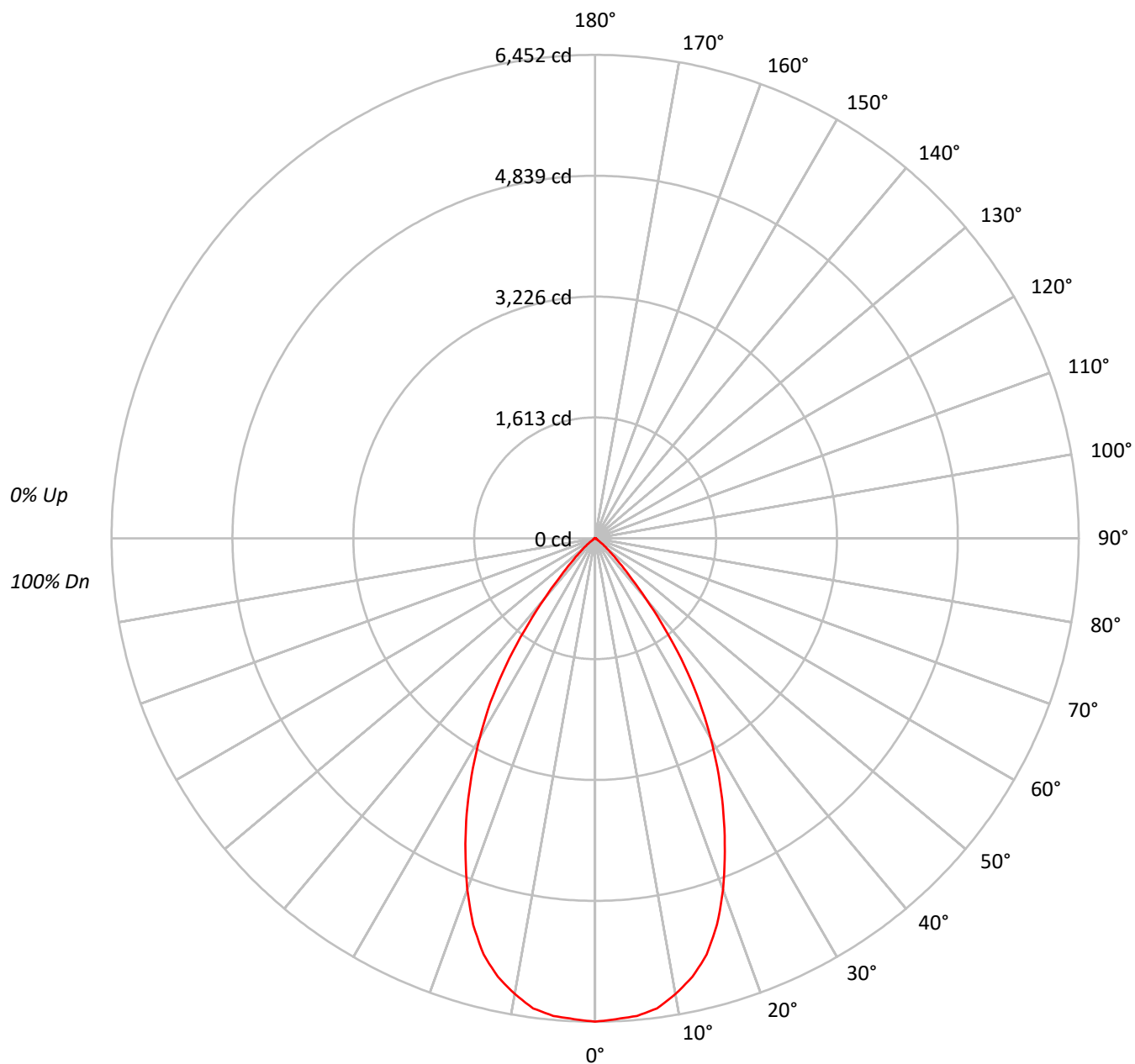
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	94	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	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	67	63	72	67	63		71	66	63		70
8	79	70	64	59	78	69	63	59	68	63	59		67	62	59		66
9	75	66	60	56	74	65	59	56	64	59	55		63	59	55		62
10	72	62	56	52	71	62	56	52	61	56	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	353672
5°	352173
10°	343842
15°	326398
20°	290922
25°	245071
30°	195252
35°	139300
40°	74905
45°	32089
50°	14592
55°	5324
60°	2609
65°	2075
70°	1923
75°	847
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	604.1	10.5
10°-20°	1594.1	27.6
20°-30°	1846.3	32.0
30°-40°	1276.7	22.1
40°-50°	368.6	6.4
50°-60°	63.4	1.1
60°-70°	16.2	0.3
70°-80°	6.3	0.1
80°-90°	1.6	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°	4044.6	70.0
0°-40°	5321.3	92.1
0°-60°	5753.4	99.6
0°-90°	5777.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5777.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6452	
5°	6400	604
15°	5751	1594
25°	4052	1846
35°	2082	1277
45°	414	369
55°	56	63
65°	16	16
75°	4	6
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6451.5
2.5°	6423.7
5°	6399.7
7.5°	6328.1
10°	6176.9
12.5°	5993.8
15°	5751.1
17.5°	5408.7
20°	4986.8
22.5°	4521.2
25°	4051.6
27.5°	3570.0
30°	3084.5
32.5°	2598.9
35°	2081.5
37.5°	1544.2
40°	1046.7
42.5°	660.6
45°	413.9
47.5°	266.6
50°	171.1
52.5°	103.5
55°	55.7
57.5°	31.8
60°	23.8
62.5°	19.9
65°	16.0
67.5°	12.0
70°	12.0
72.5°	8.0
75°	4.0
77.5°	4.0
80°	4.0
82.5°	4.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)