

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: P582905

Luminaire Tested: **HC605D010-HM60525840-61NDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582905
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: HC605D010-HM60525840-61NDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 727.1 lumens
Efficiency: N/A
Efficacy: 121.2 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

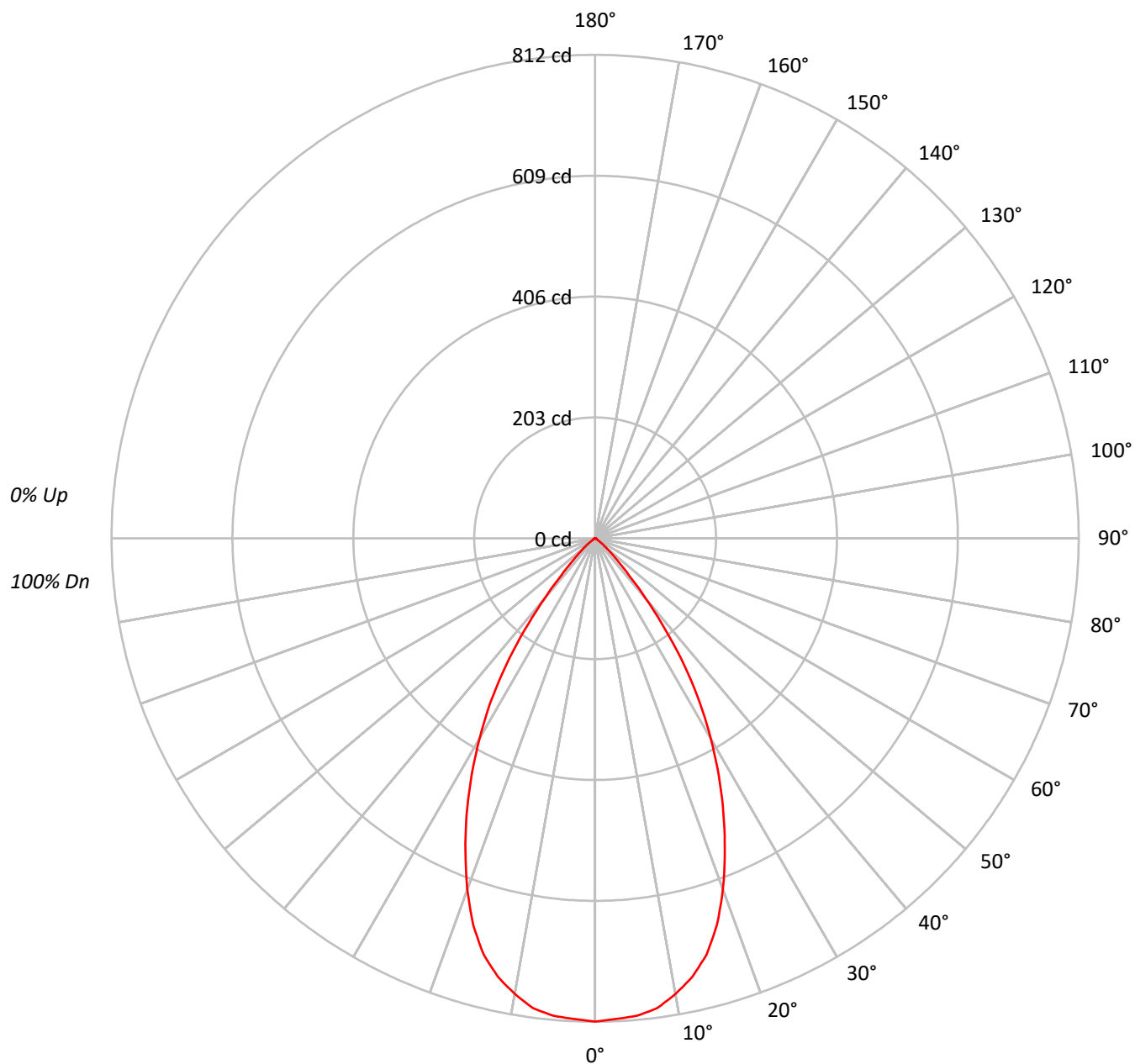
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	77		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°	44503
5°	44310
10°	43264
15°	41073
20°	36607
25°	30843
30°	24573
35°	17527
40°	9432
45°	4039
50°	1842
55°	669
60°	340
65°	259
70°	240
75°	106
80°	158
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	10.5
10°-20°	200.6	27.6
20°-30°	232.4	32.0
30°-40°	160.7	22.1
40°-50°	46.4	6.4
50°-60°	8.0	1.1
60°-70°	2.0	0.3
70°-80°	0.8	0.1
80°-90°	0.2	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°	509.0	70.0
0°-40°	669.6	92.1
0°-60°	724.1	99.6
0°-90°	727.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	812	
5°	805	76
15°	724	201
25°	510	232
35°	262	161
45°	52	46
55°	7	8
65°	2	2
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	811.8
2.5°	808.3
5°	805.2
7.5°	796.3
10°	777.2
12.5°	754.2
15°	723.7
17.5°	680.6
20°	627.5
22.5°	569.0
25°	509.9
27.5°	449.2
30°	388.2
32.5°	327.0
35°	261.9
37.5°	194.4
40°	131.8
42.5°	83.2
45°	52.1
47.5°	33.6
50°	21.6
52.5°	13.0
55°	7.0
57.5°	4.0
60°	3.1
62.5°	2.5
65°	2.0
67.5°	1.5
70°	1.5
72.5°	1.0
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)