

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: P582876

Luminaire Tested: **HC605D010-HM60525830-61WDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525830-61WDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 706.1 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

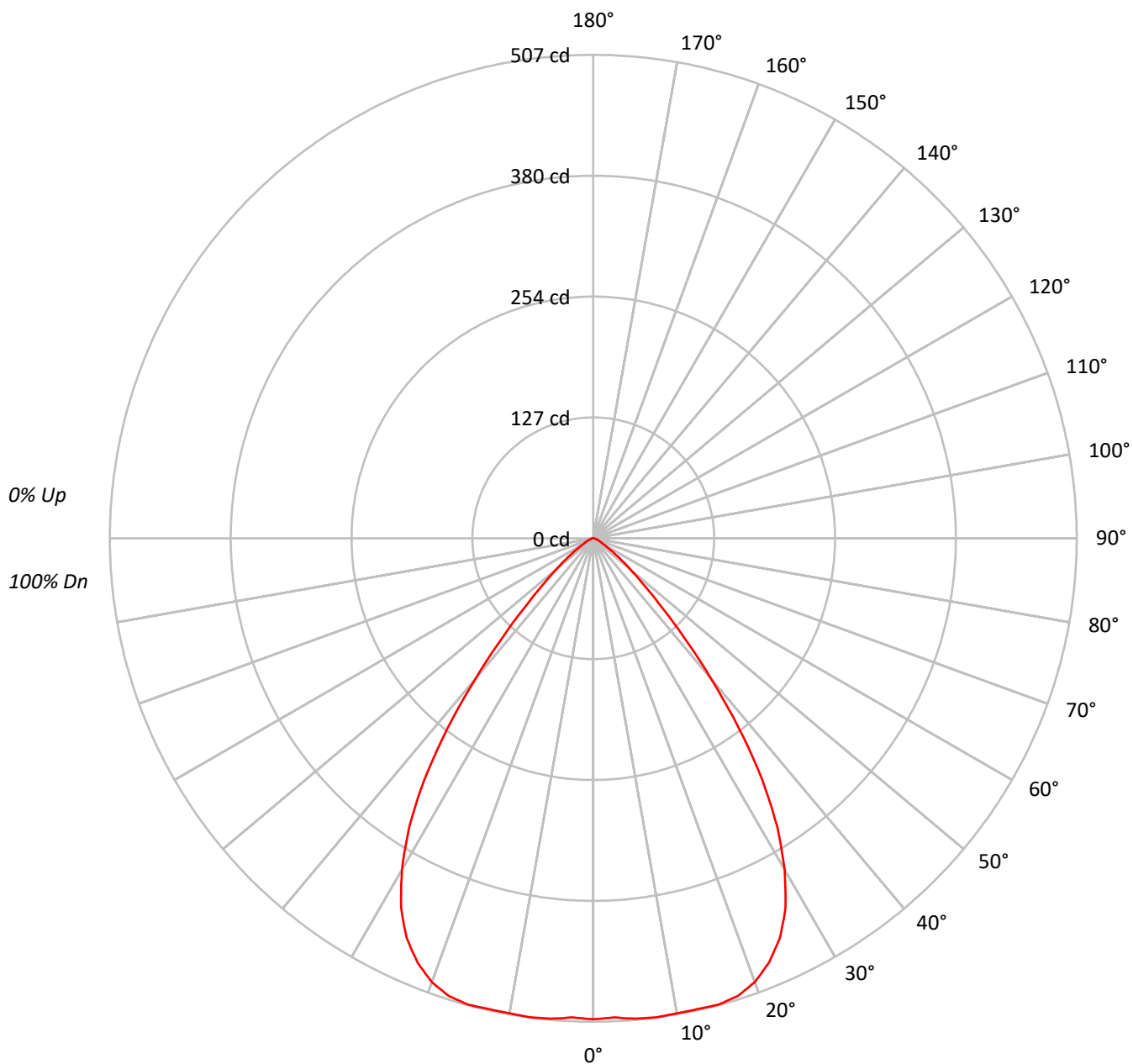
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	110	107	105	110	108	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	87	83	98	91	86	82	89	84	81		86	83	80		84
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	68	62	57	77	68	61	57	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27651
5°	27834
10°	28156
15°	28740
20°	28895
25°	27994
30°	25403
35°	20652
40°	13704
45°	7629
50°	4281
55°	2380
60°	1316
65°	999
70°	689
75°	508
80°	284
85°	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.3	6.8
10°-20°	142.8	20.2
20°-30°	210.4	29.8
30°-40°	188.2	26.7
40°-50°	81.7	11.6
50°-60°	24.0	3.4
60°-70°	7.7	1.1
70°-80°	2.7	0.4
80°-90°	0.4	0.1
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°	401.5	56.9
0°-40°	589.7	83.5
0°-60°	695.3	98.5
0°-90°	706.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	706.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	504	
5°	506	48
15°	506	143
25°	463	210
35°	309	188
45°	98	82
55°	25	24
65°	8	8
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	504.4
2.5°	503.0
5°	505.8
7.5°	506.8
10°	505.8
12.5°	505.8
15°	506.4
17.5°	503.4
20°	495.3
22.5°	481.5
25°	462.8
27.5°	436.6
30°	401.3
32.5°	359.2
35°	308.6
37.5°	250.7
40°	191.5
42.5°	140.0
45°	98.4
47.5°	70.2
50°	50.2
52.5°	35.8
55°	24.9
57.5°	16.7
60°	12.0
62.5°	9.6
65°	7.7
67.5°	5.8
70°	4.3
72.5°	3.4
75°	2.4
77.5°	1.9
80°	0.9
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)