

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: P582960

Luminaire Tested: **HC605D010-HM60525935-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525935-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 586.3 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

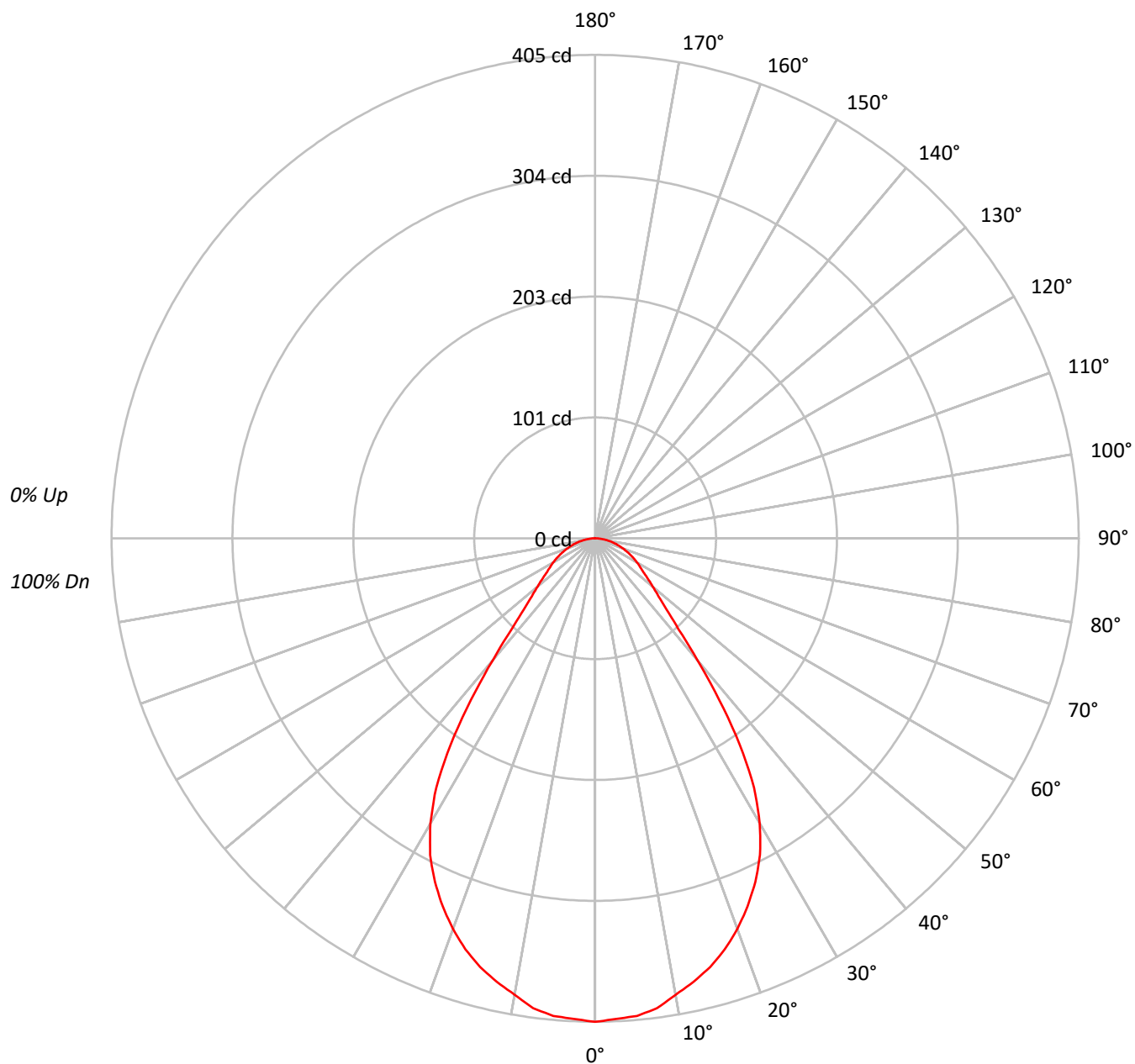
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: HC605D010-HM60525935-61NDW

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94		94	92	91
2	104	97	92	87		101	95	90	86		92	88	84		89	85	83		86	83	81
3	97	88	82	77		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	81	73	68		88	79	73	68		77	71	67		75	70	66		73	69	65
5	84	74	67	61		83	73	66	61		71	65	60		69	64	60		67	63	59
6	79	68	61	55		77	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	56	51		73	62	55	50		61	55	50		60	54	50		58	53	49
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		54	49	46
9	66	55	48	43		65	54	47	43		53	47	42		52	46	42		51	46	42
10	63	51	44	40		61	51	44	40		50	44	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22208
5°	22105
10°	21615
15°	21107
20°	20319
25°	19211
30°	17458
35°	14134
40°	9525
45°	6551
50°	5364
55°	4702
60°	4451
65°	4190
70°	3927
75°	3728
80°	3378
85°	2956



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	6.5
10°-20°	104.4	17.8
20°-30°	145.1	24.8
30°-40°	129.2	22.0
40°-50°	68.6	11.7
50°-60°	44.9	7.7
60°-70°	32.1	5.5
70°-80°	18.6	3.2
80°-90°	5.4	0.9
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°	287.5	49.0
0°-40°	416.7	71.1
0°-60°	530.1	90.4
0°-90°	586.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	405	
5°	402	38
15°	372	104
25°	318	145
35°	211	129
45°	84	69
55°	49	45
65°	32	32
75°	18	19
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	405.1
2.5°	403.0
5°	401.7
7.5°	397.0
10°	388.3
12.5°	380.6
15°	371.9
17.5°	361.1
20°	348.3
22.5°	333.6
25°	317.6
27.5°	299.1
30°	275.8
32.5°	247.8
35°	211.2
37.5°	170.6
40°	133.1
42.5°	103.4
45°	84.5
47.5°	72.0
50°	62.9
52.5°	55.6
55°	49.2
57.5°	44.4
60°	40.6
62.5°	36.6
65°	32.3
67.5°	28.5
70°	24.5
72.5°	21.1
75°	17.6
77.5°	14.2
80°	10.7
82.5°	7.8
85°	4.7
87.5°	2.1
90°	0.0



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— 0°-180°







(END OF REPORT)