

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: P582932

Luminaire Tested: **HC605D010-HM60525927-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC605D010-HM60525927-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 589.7 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

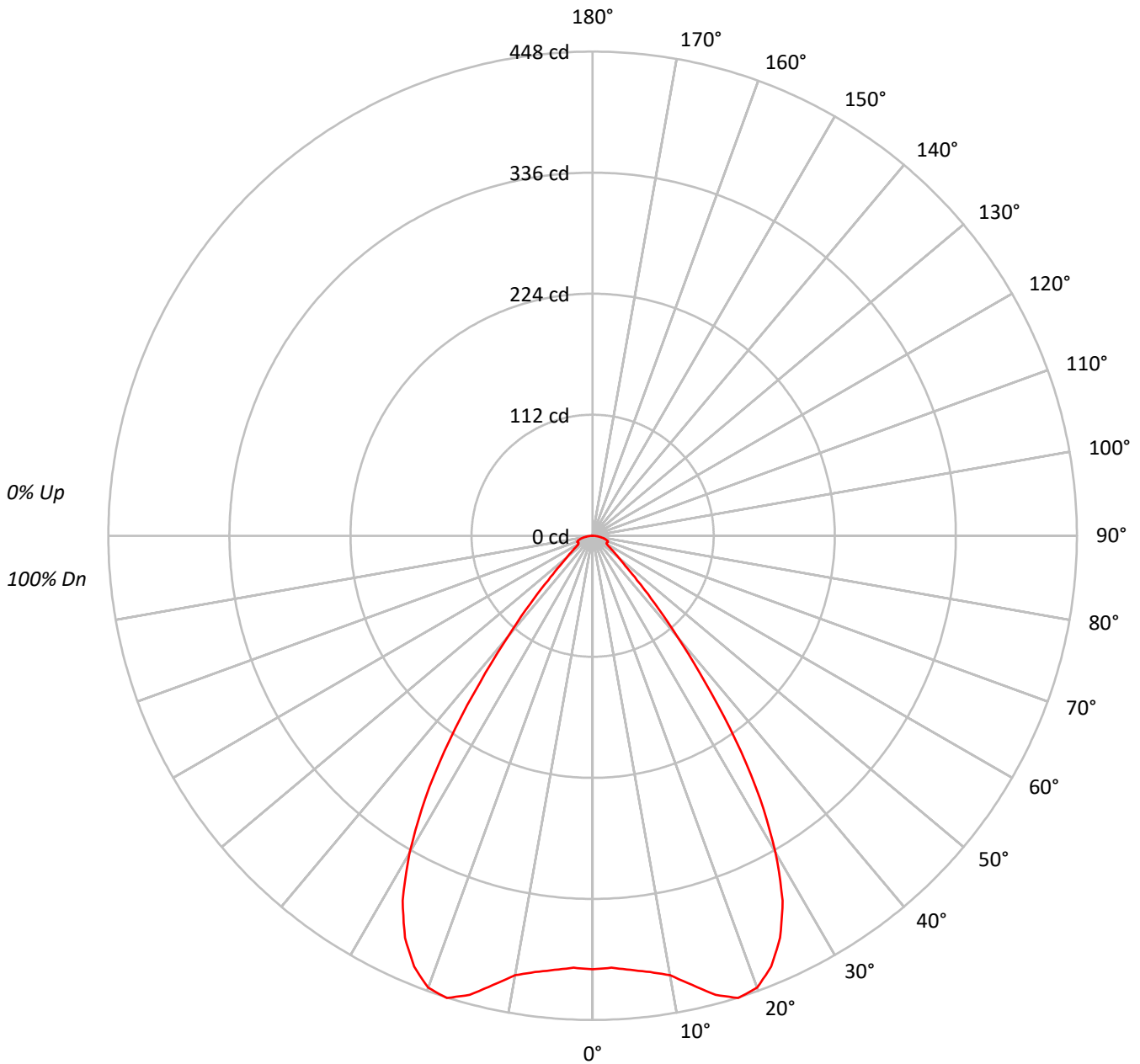
Input Watts (W): 6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75			
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69			
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63			
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58			
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21994
5°	22182
10°	22979
15°	24960
20°	25961
25°	24830
30°	21427
35°	15432
40°	8695
45°	4504
50°	2686
55°	1931
60°	1645
65°	1894
70°	2404
75°	2542
80°	2494
85°	2327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.8	6.6
10°-20°	124.0	21.0
20°-30°	185.4	31.4
30°-40°	141.7	24.0
40°-50°	49.5	8.4
50°-60°	18.8	3.2
60°-70°	14.8	2.5
70°-80°	12.5	2.1
80°-90°	4.0	0.7
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°	348.2	59.1
0°-40°	490.0	83.1
0°-60°	558.3	94.7
0°-90°	589.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	589.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	401	
5°	403	39
15°	440	124
25°	410	185
35°	231	142
45°	58	50
55°	20	19
65°	15	15
75°	12	13
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	401.2
2.5°	400.0
5°	403.1
7.5°	407.1
10°	412.8
12.5°	425.6
15°	439.8
17.5°	448.4
20°	445.0
22.5°	431.5
25°	410.5
27.5°	380.6
30°	338.5
32.5°	288.4
35°	230.6
37.5°	171.0
40°	121.5
42.5°	85.1
45°	58.1
47.5°	40.9
50°	31.5
52.5°	24.7
55°	20.2
57.5°	16.5
60°	15.0
62.5°	14.6
65°	14.6
67.5°	15.4
70°	15.0
72.5°	13.9
75°	12.0
77.5°	10.2
80°	7.9
82.5°	5.6
85°	3.7
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)