

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: P593035

Luminaire Tested: **HC607D010-HM60525950-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593035
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: HC607D010-HM60525950-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.2 lumens
Efficiency: N/A
Efficacy: 113.5 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

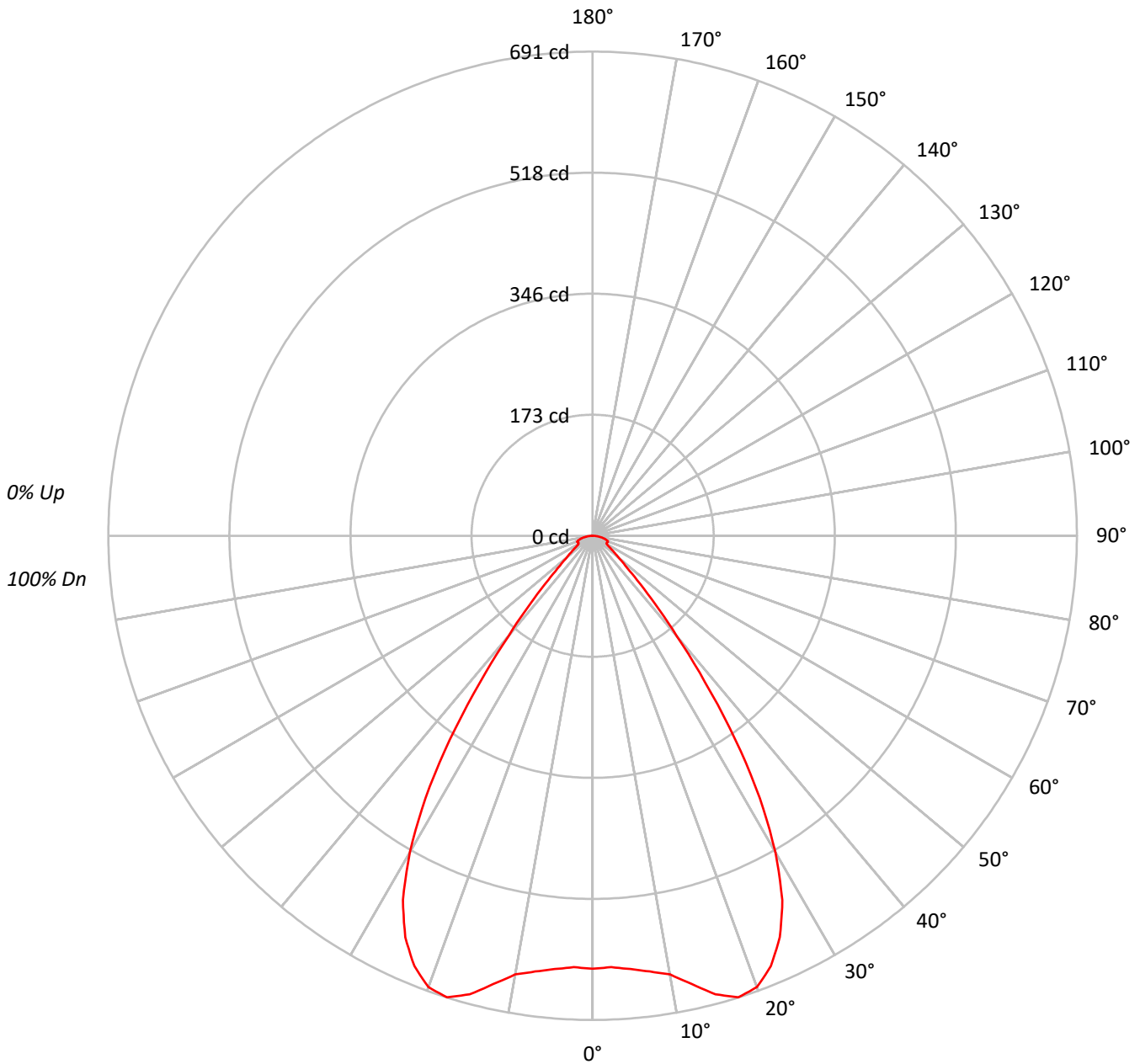
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33873
5°	34162
10°	35392
15°	38445
20°	39991
25°	38246
30°	33011
35°	23771
40°	13389
45°	6939
50°	4136
55°	2982
60°	2533
65°	2919
70°	3703
75°	3918
80°	3820
85°	3648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	6.6
10°-20°	191.1	21.0
20°-30°	285.6	31.4
30°-40°	218.3	24.0
40°-50°	76.3	8.4
50°-60°	29.1	3.2
60°-70°	22.8	2.5
70°-80°	19.3	2.1
80°-90°	6.2	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°	536.4	59.1
0°-40°	754.7	83.1
0°-60°	860.0	94.7
0°-90°	908.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	618	
5°	621	60
15°	677	191
25°	632	286
35°	355	218
45°	90	76
55°	31	29
65°	22	23
75°	18	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	617.9
2.5°	616.2
5°	620.8
7.5°	627.1
10°	635.8
12.5°	655.4
15°	677.4
17.5°	690.7
20°	685.5
22.5°	664.7
25°	632.3
27.5°	586.2
30°	521.5
32.5°	444.1
35°	355.2
37.5°	263.3
40°	187.1
42.5°	131.1
45°	89.5
47.5°	63.0
50°	48.5
52.5°	38.1
55°	31.2
57.5°	25.4
60°	23.1
62.5°	22.5
65°	22.5
67.5°	23.7
70°	23.1
72.5°	21.4
75°	18.5
77.5°	15.6
80°	12.1
82.5°	8.6
85°	5.8
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)