

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: P583346

Luminaire Tested: **HC607D010-HM60525840-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583346
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-HM60525840-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1042.5 lumens
Efficiency: N/A
Efficacy: 130.3 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

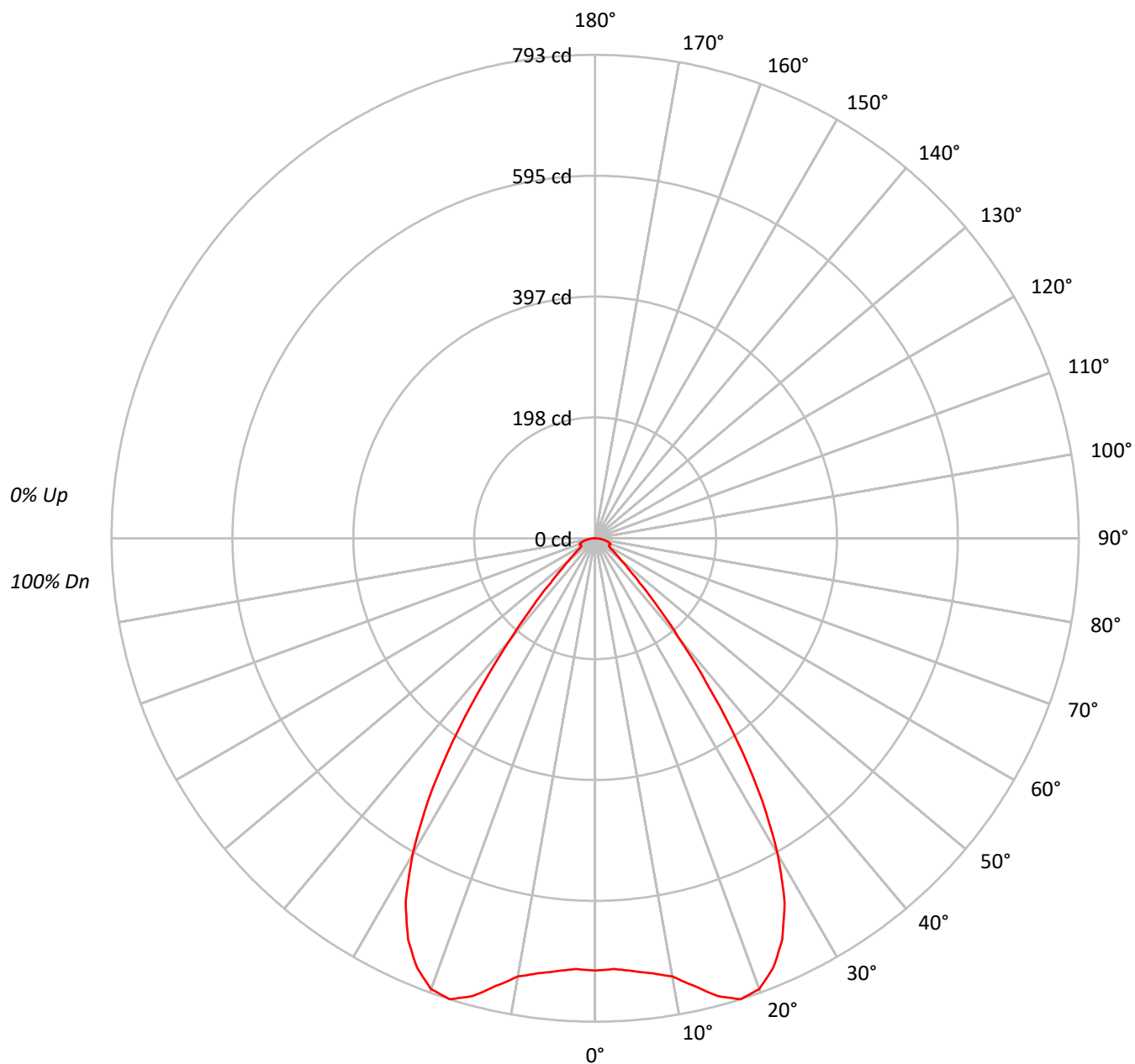
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10	50	30	10
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°	38884
5°	39209
10°	40625
15°	44132
20°	45901
25°	43902
30°	37892
35°	27285
40°	15372
45°	7970
50°	4742
55°	3422
60°	2905
65°	3347
70°	4248
75°	4490
80°	4388
85°	4214



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	6.6
10°-20°	219.3	21.0
20°-30°	327.8	31.4
30°-40°	250.6	24.0
40°-50°	87.5	8.4
50°-60°	33.3	3.2
60°-70°	26.1	2.5
70°-80°	22.1	2.1
80°-90°	7.1	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°	615.7	59.1
0°-40°	866.2	83.1
0°-60°	987.1	94.7
0°-90°	1042.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1042.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	709	
5°	712	69
15°	778	219
25°	726	328
35°	408	251
45°	103	88
55°	36	33
65°	26	26
75°	21	22
85°	7	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	709.3
2.5°	707.2
5°	712.5
7.5°	719.9
10°	729.8
12.5°	752.3
15°	777.6
17.5°	792.8
20°	786.8
22.5°	763.0
25°	725.8
27.5°	672.8
30°	598.6
32.5°	509.7
35°	407.7
37.5°	302.3
40°	214.8
42.5°	150.5
45°	102.8
47.5°	72.3
50°	55.6
52.5°	43.7
55°	35.8
57.5°	29.1
60°	26.5
62.5°	25.8
65°	25.8
67.5°	27.2
70°	26.5
72.5°	24.5
75°	21.2
77.5°	17.9
80°	13.9
82.5°	10.0
85°	6.7
87.5°	2.6
90°	0.0



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— 0°-180°







(END OF REPORT)