

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: P583302

Luminaire Tested: **HC607D010-HM60525830-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583302
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: HC607D010-HM60525830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 859.9 lumens
Efficiency: N/A
Efficacy: 107.5 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

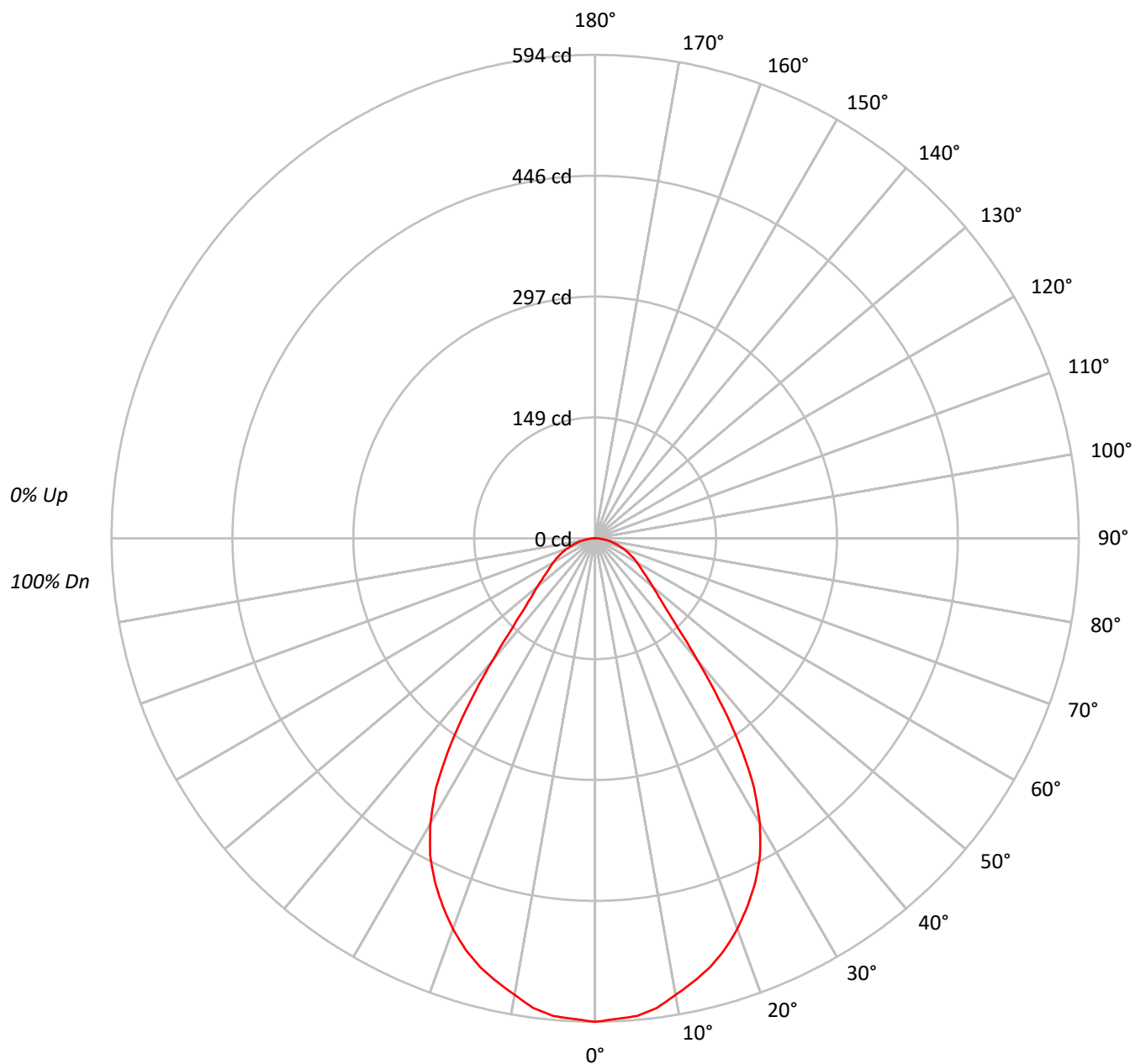
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32569
5°	32423
10°	31707
15°	30959
20°	29799
25°	28181
30°	25612
35°	20733
40°	13976
45°	9613
50°	7872
55°	6891
60°	6513
65°	6149
70°	5770
75°	5486
80°	4956
85°	4340



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	6.5
10°-20°	153.2	17.8
20°-30°	212.8	24.8
30°-40°	189.5	22.0
40°-50°	100.6	11.7
50°-60°	65.8	7.7
60°-70°	47.1	5.5
70°-80°	27.3	3.2
80°-90°	8.0	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°	421.6	49.0
0°-40°	611.2	71.1
0°-60°	777.6	90.4
0°-90°	859.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	859.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	594	
5°	589	56
15°	546	153
25°	466	213
35°	310	190
45°	124	101
55°	72	66
65°	47	47
75°	26	27
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	594.1
2.5°	591.1
5°	589.2
7.5°	582.1
10°	569.6
12.5°	558.1
15°	545.5
17.5°	529.7
20°	510.8
22.5°	489.2
25°	465.9
27.5°	438.7
30°	404.6
32.5°	363.5
35°	309.8
37.5°	250.3
40°	195.3
42.5°	151.7
45°	124.0
47.5°	105.6
50°	92.3
52.5°	81.6
55°	72.1
57.5°	65.1
60°	59.4
62.5°	53.7
65°	47.4
67.5°	41.7
70°	36.0
72.5°	30.9
75°	25.9
77.5°	20.8
80°	15.7
82.5°	11.3
85°	6.9
87.5°	3.2
90°	0.0



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— 0°-180°







(END OF REPORT)