

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: P593025

Luminaire Tested: **HC607D010-HM60525850-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525850-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 915.2 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

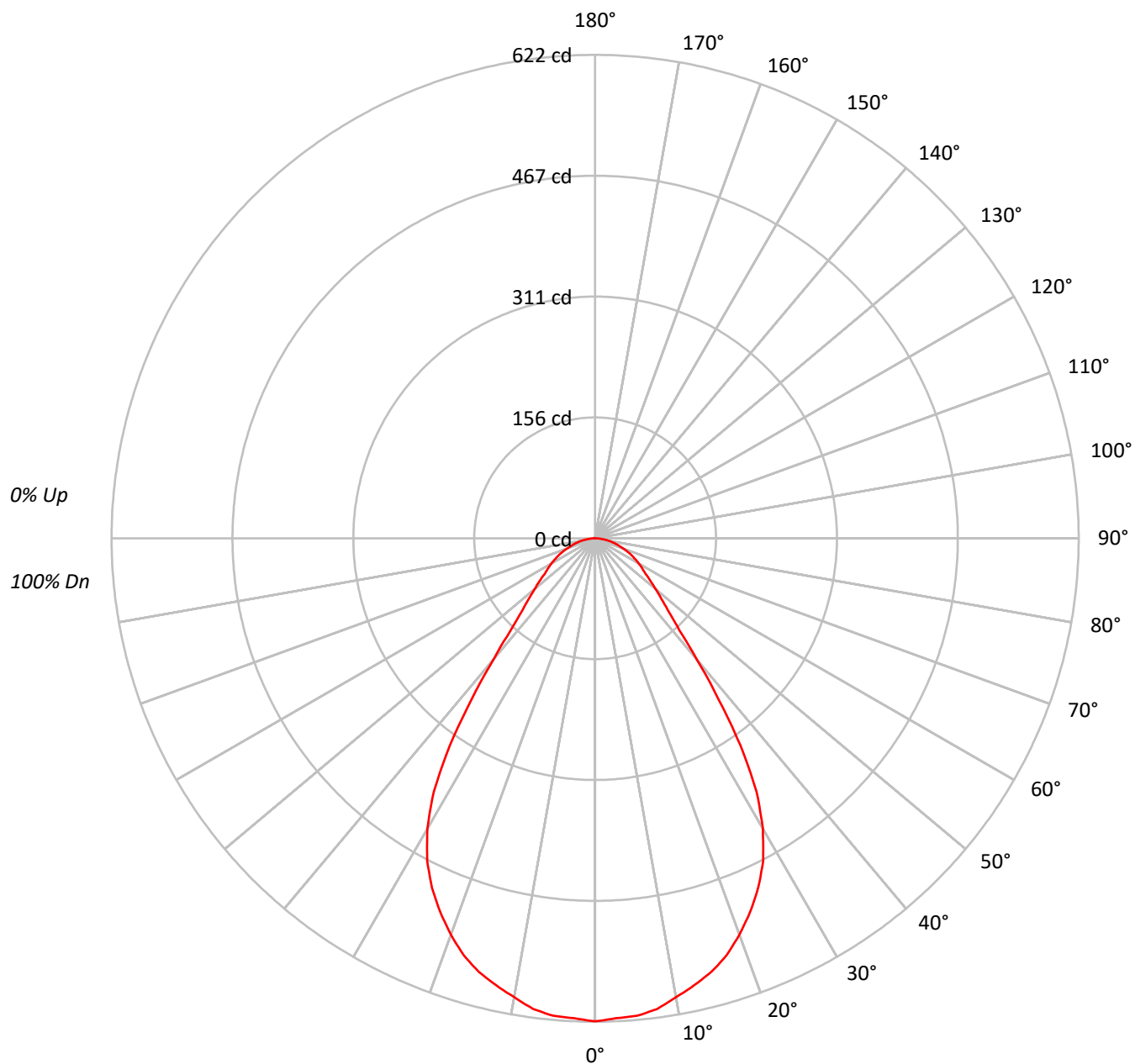
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	82		86	83	81
3	97	88	82	76		94	87	81	76		84	79	75		81	77	73		79	75	72
4	90	80	73	68		88	79	73	67		77	71	67		75	70	66		73	68	65
5	84	74	66	61		82	73	66	61		71	65	60		69	64	59		67	63	59
6	79	68	61	55		77	67	60	55		65	59	55		64	58	54		62	58	54
7	74	63	55	50		73	62	55	50		61	54	50		59	54	50		58	53	49
8	70	58	51	46		69	58	51	46		57	50	46		55	50	46		54	49	45
9	66	54	47	43		65	54	47	42		53	47	42		52	46	42		51	46	42
10	62	51	44	39		61	50	44	39		49	43	39		49	43	39		48	43	39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34071
5°	33942
10°	33377
15°	32787
20°	31654
25°	30020
30°	27302
35°	21817
40°	14556
45°	10373
50°	8648
55°	7541
60°	7116
65°	6706
70°	6155
75°	5761
80°	5209
85°	4592



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	6.4
10°-20°	162.2	17.7
20°-30°	226.7	24.8
30°-40°	199.7	21.8
40°-50°	107.9	11.8
50°-60°	72.1	7.9
60°-70°	51.1	5.6
70°-80°	28.8	3.1
80°-90°	8.4	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°	447.2	48.9
0°-40°	646.9	70.7
0°-60°	826.9	90.4
0°-90°	915.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	622	
5°	617	58
15°	578	162
25°	496	227
35°	326	200
45°	134	108
55°	79	72
65°	52	51
75°	27	29
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	621.5
2.5°	618.2
5°	616.8
7.5°	610.9
10°	599.6
12.5°	589.0
15°	577.7
17.5°	562.5
20°	542.6
22.5°	520.7
25°	496.3
27.5°	467.8
30°	431.3
32.5°	386.2
35°	326.0
37.5°	260.4
40°	203.4
42.5°	160.3
45°	133.8
47.5°	115.9
50°	101.4
52.5°	89.4
55°	78.9
57.5°	71.6
60°	64.9
62.5°	58.3
65°	51.7
67.5°	45.1
70°	38.4
72.5°	32.5
75°	27.2
77.5°	21.9
80°	16.5
82.5°	11.9
85°	7.3
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)