

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: P583310

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583310
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-HM60525830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.0 lumens
Efficiency: N/A
Efficacy: 124.3 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

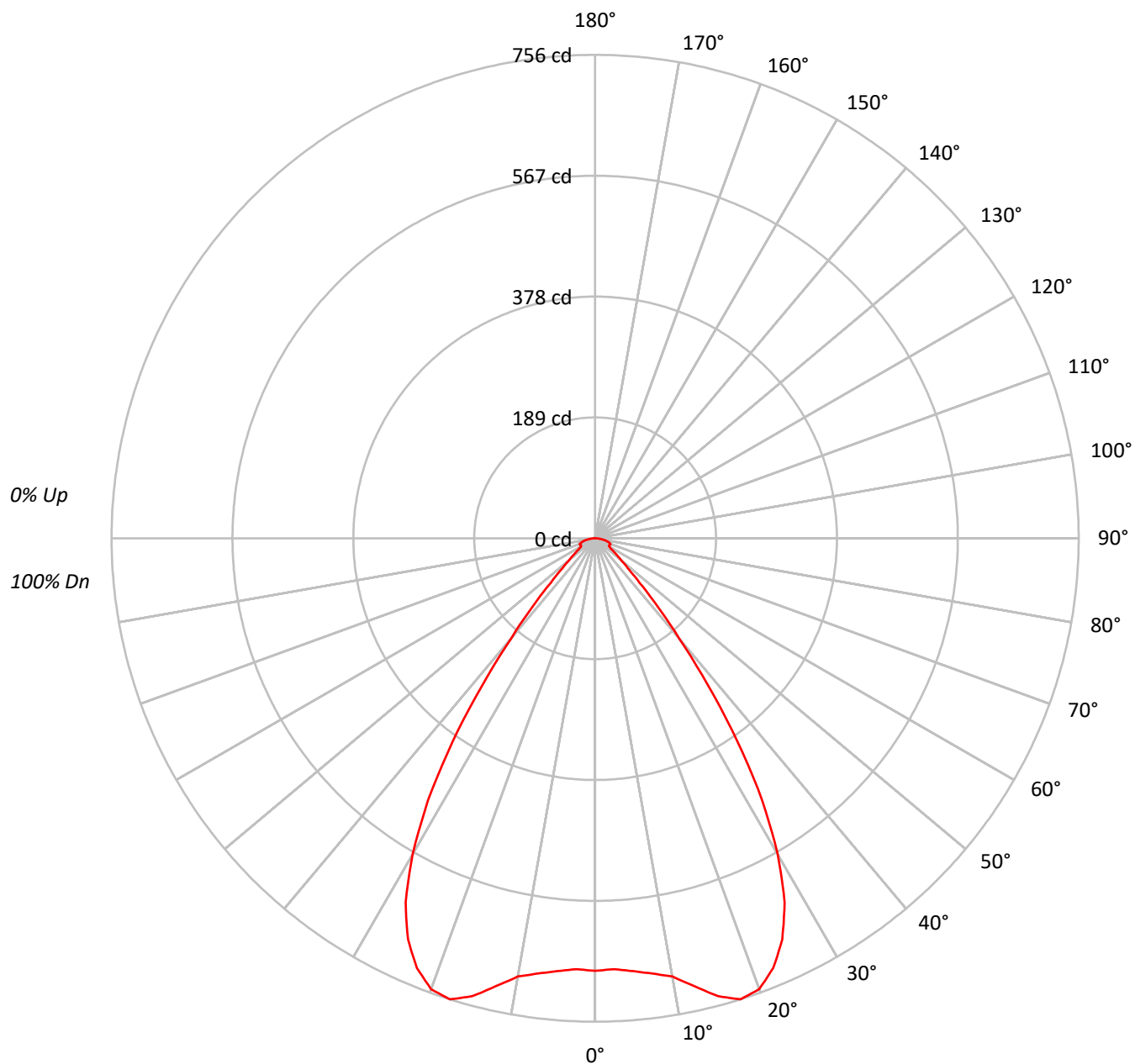
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37075
5°	37393
10°	38738
15°	42072
20°	43765
25°	41857
30°	36126
35°	26013
40°	14649
45°	7598
50°	4529
55°	3259
60°	2774
65°	3204
70°	4055
75°	4300
80°	4199
85°	3963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	6.6
10°-20°	209.1	21.0
20°-30°	312.5	31.4
30°-40°	238.9	24.0
40°-50°	83.4	8.4
50°-60°	31.8	3.2
60°-70°	25.0	2.5
70°-80°	21.1	2.1
80°-90°	6.8	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°	587.0	59.1
0°-40°	825.9	83.1
0°-60°	941.1	94.7
0°-90°	994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	676	
5°	680	65
15°	741	209
25°	692	313
35°	389	239
45°	98	83
55°	34	32
65°	25	25
75°	20	21
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	676.3
2.5°	674.4
5°	679.5
7.5°	686.4
10°	695.9
12.5°	717.3
15°	741.3
17.5°	755.9
20°	750.2
22.5°	727.5
25°	692.0
27.5°	641.5
30°	570.7
32.5°	486.1
35°	388.7
37.5°	288.2
40°	204.7
42.5°	143.4
45°	98.0
47.5°	68.9
50°	53.1
52.5°	41.7
55°	34.1
57.5°	27.8
60°	25.3
62.5°	24.7
65°	24.7
67.5°	25.9
70°	25.3
72.5°	23.3
75°	20.3
77.5°	17.1
80°	13.3
82.5°	9.5
85°	6.3
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)