

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: P583400

Luminaire Tested: **HC607D010-HM60525935-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583400
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-HM60525935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 897.0 lumens
Efficiency: N/A
Efficacy: 112.1 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

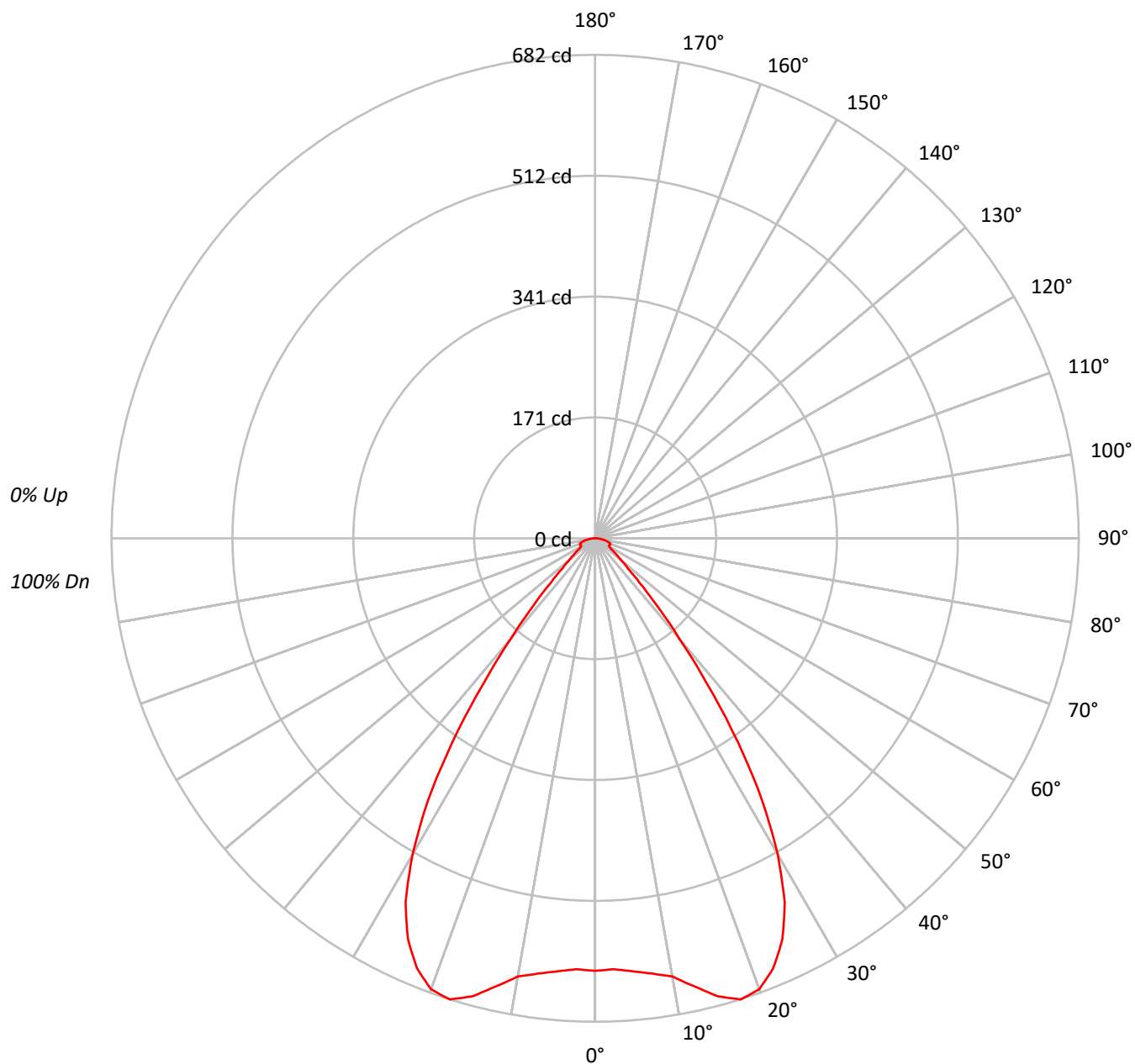
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33451
5°	33744
10°	34953
15°	37968
20°	39495
25°	37774
30°	32606
35°	23477
40°	13225
45°	6853
50°	4085
55°	2944
60°	2500
65°	2880
70°	3654
75°	3855
80°	3788
85°	3585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	6.6
10°-20°	188.7	21.0
20°-30°	282.1	31.4
30°-40°	215.6	24.0
40°-50°	75.3	8.4
50°-60°	28.7	3.2
60°-70°	22.5	2.5
70°-80°	19.0	2.1
80°-90°	6.1	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°	529.7	59.1
0°-40°	745.4	83.1
0°-60°	849.3	94.7
0°-90°	897.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	897.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	610	
5°	613	59
15°	669	189
25°	624	282
35°	351	216
45°	88	75
55°	31	29
65°	22	22
75°	18	19
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	610.2
2.5°	608.5
5°	613.2
7.5°	619.4
10°	627.9
12.5°	647.4
15°	669.0
17.5°	682.2
20°	677.0
22.5°	656.5
25°	624.5
27.5°	579.0
30°	515.1
32.5°	438.6
35°	350.8
37.5°	260.1
40°	184.8
42.5°	129.5
45°	88.4
47.5°	62.2
50°	47.9
52.5°	37.6
55°	30.8
57.5°	25.0
60°	22.8
62.5°	22.2
65°	22.2
67.5°	23.3
70°	22.8
72.5°	21.1
75°	18.2
77.5°	15.4
80°	12.0
82.5°	8.6
85°	5.7
87.5°	2.3
90°	0.0



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— 0°-180°







(END OF REPORT)