

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: P583353

Luminaire Tested: **HC607D010-HM60525927-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583353
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-HM60525927-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 685.3 lumens
Efficiency: N/A
Efficacy: 85.7 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

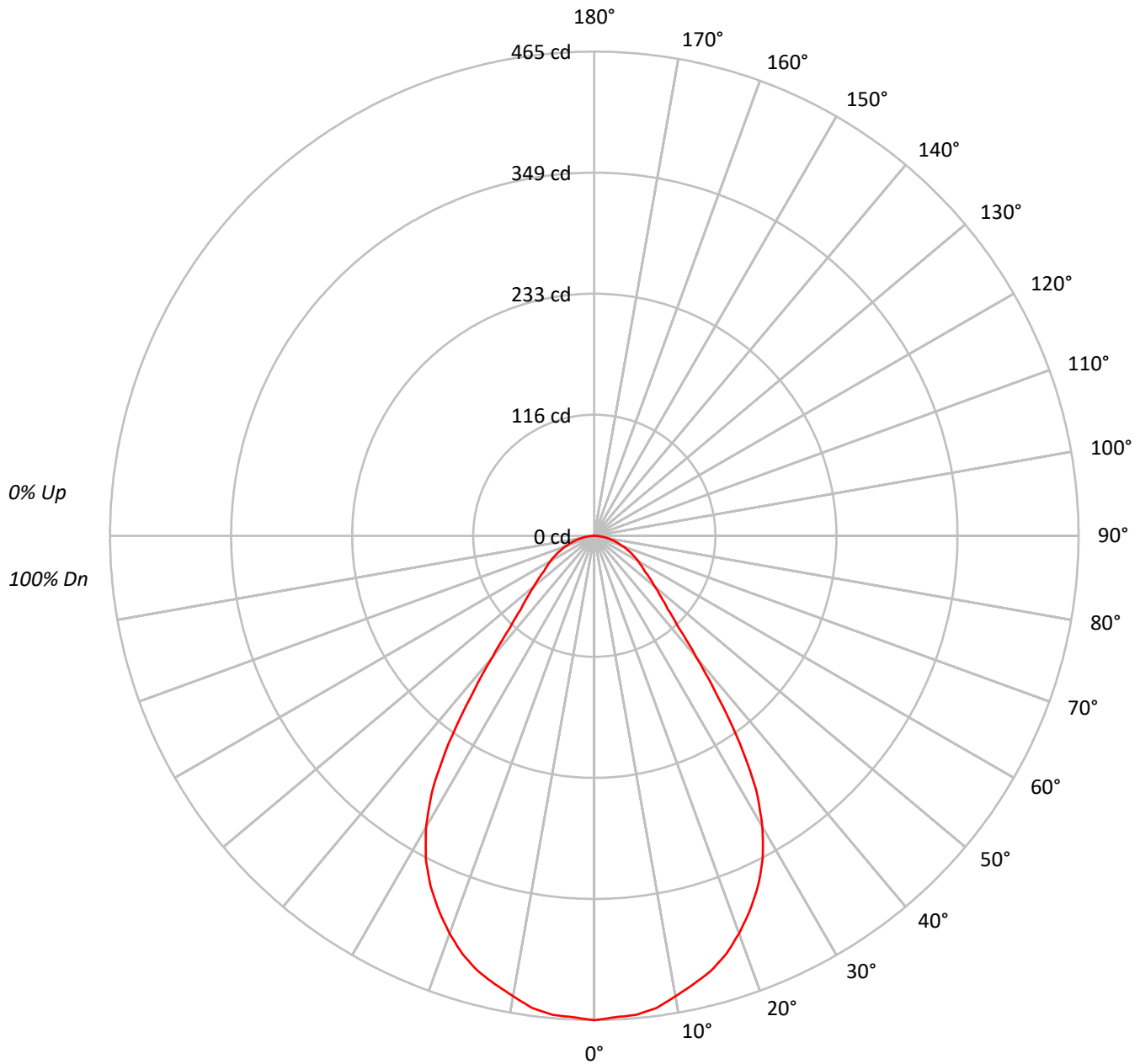
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25508
5°	25413
10°	24994
15°	24552
20°	23703
25°	22477
30°	20440
35°	16329
40°	10899
45°	7768
50°	6473
55°	5639
60°	5329
65°	5020
70°	4616
75°	4321
80°	3883
85°	3397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	6.4
10°-20°	121.5	17.7
20°-30°	169.7	24.8
30°-40°	149.5	21.8
40°-50°	80.8	11.8
50°-60°	54.0	7.9
60°-70°	38.3	5.6
70°-80°	21.5	3.1
80°-90°	6.3	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°	334.9	48.9
0°-40°	484.4	70.7
0°-60°	619.2	90.4
0°-90°	685.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	465	
5°	462	44
15°	433	121
25°	372	170
35°	244	150
45°	100	81
55°	59	54
65°	39	38
75°	20	22
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	465.3
2.5°	462.8
5°	461.8
7.5°	457.4
10°	449.0
12.5°	441.0
15°	432.6
17.5°	421.1
20°	406.3
22.5°	390.0
25°	371.6
27.5°	350.2
30°	322.9
32.5°	289.3
35°	244.0
37.5°	195.0
40°	152.3
42.5°	120.1
45°	100.2
47.5°	86.8
50°	75.9
52.5°	67.0
55°	59.0
57.5°	53.6
60°	48.6
62.5°	43.6
65°	38.7
67.5°	33.8
70°	28.8
72.5°	24.4
75°	20.4
77.5°	16.3
80°	12.3
82.5°	9.0
85°	5.4
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)