

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: P583281

Luminaire Tested: **HC607D010-HM60525827-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583281
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-HM60525827-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 811.4 lumens
Efficiency: N/A
Efficacy: 101.4 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

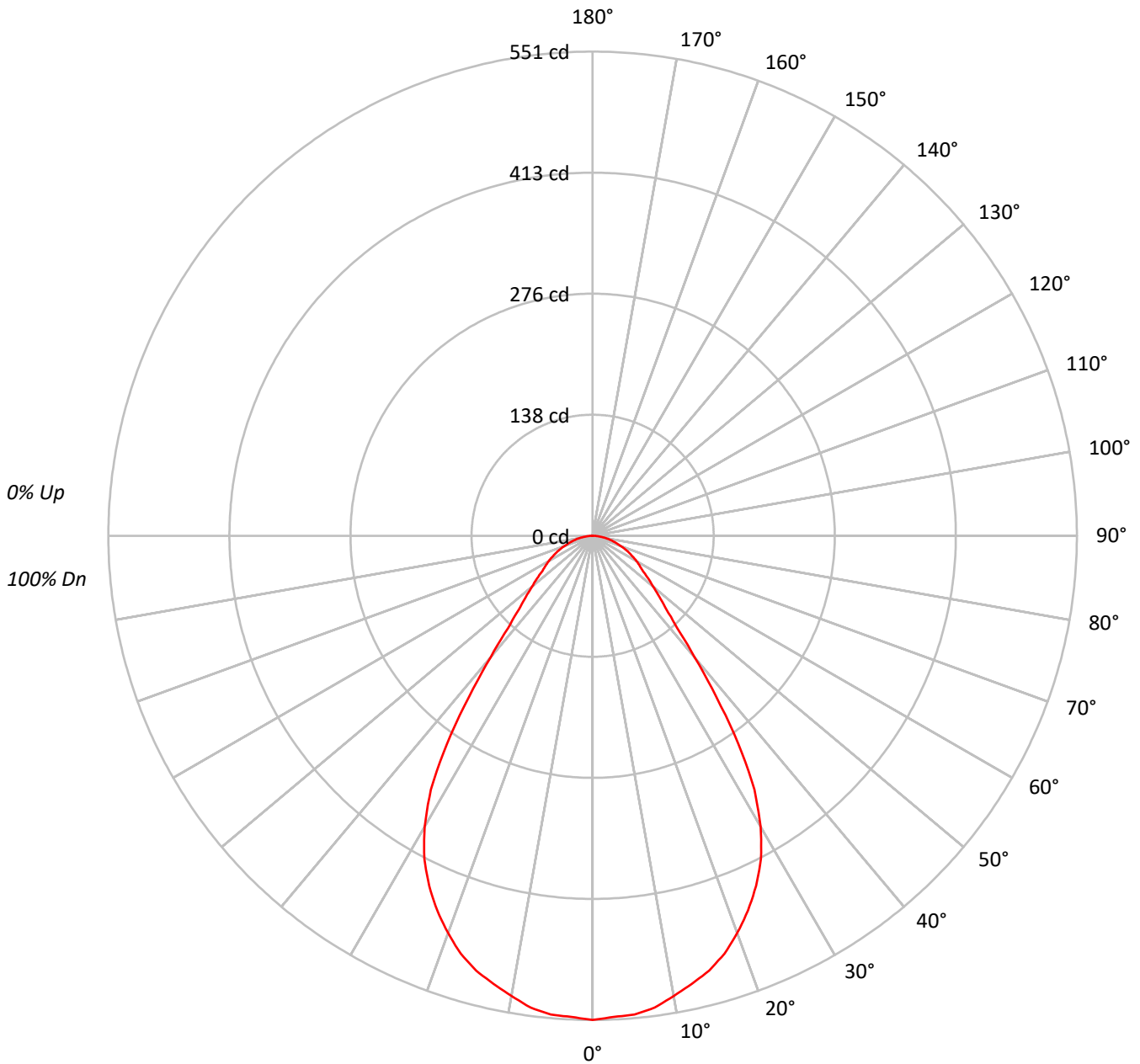
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30206
5°	30096
10°	29592
15°	29069
20°	28067
25°	26608
30°	24206
35°	19341
40°	12910
45°	9195
50°	7659
55°	6681
60°	6315
65°	5941
70°	5466
75°	5105
80°	4641
85°	4088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	6.4
10°-20°	143.8	17.7
20°-30°	201.0	24.8
30°-40°	177.1	21.8
40°-50°	95.6	11.8
50°-60°	63.9	7.9
60°-70°	45.4	5.6
70°-80°	25.5	3.1
80°-90°	7.4	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°	396.5	48.9
0°-40°	573.6	70.7
0°-60°	733.2	90.4
0°-90°	811.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	551	
5°	547	52
15°	512	144
25°	440	201
35°	289	177
45°	119	96
55°	70	64
65°	46	45
75°	24	26
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	551.0
2.5°	548.0
5°	546.9
7.5°	541.6
10°	531.6
12.5°	522.2
15°	512.2
17.5°	498.7
20°	481.1
22.5°	461.7
25°	439.9
27.5°	414.7
30°	382.4
32.5°	342.5
35°	289.0
37.5°	230.9
40°	180.4
42.5°	142.2
45°	118.6
47.5°	102.8
50°	89.8
52.5°	79.3
55°	69.9
57.5°	63.4
60°	57.6
62.5°	51.7
65°	45.8
67.5°	40.0
70°	34.1
72.5°	28.8
75°	24.1
77.5°	19.4
80°	14.7
82.5°	10.5
85°	6.5
87.5°	2.9
90°	0.0



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— 0°-180°







(END OF REPORT)