

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: P583345

Luminaire Tested: **HC607D010-HM60525840-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525840-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 967.6 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

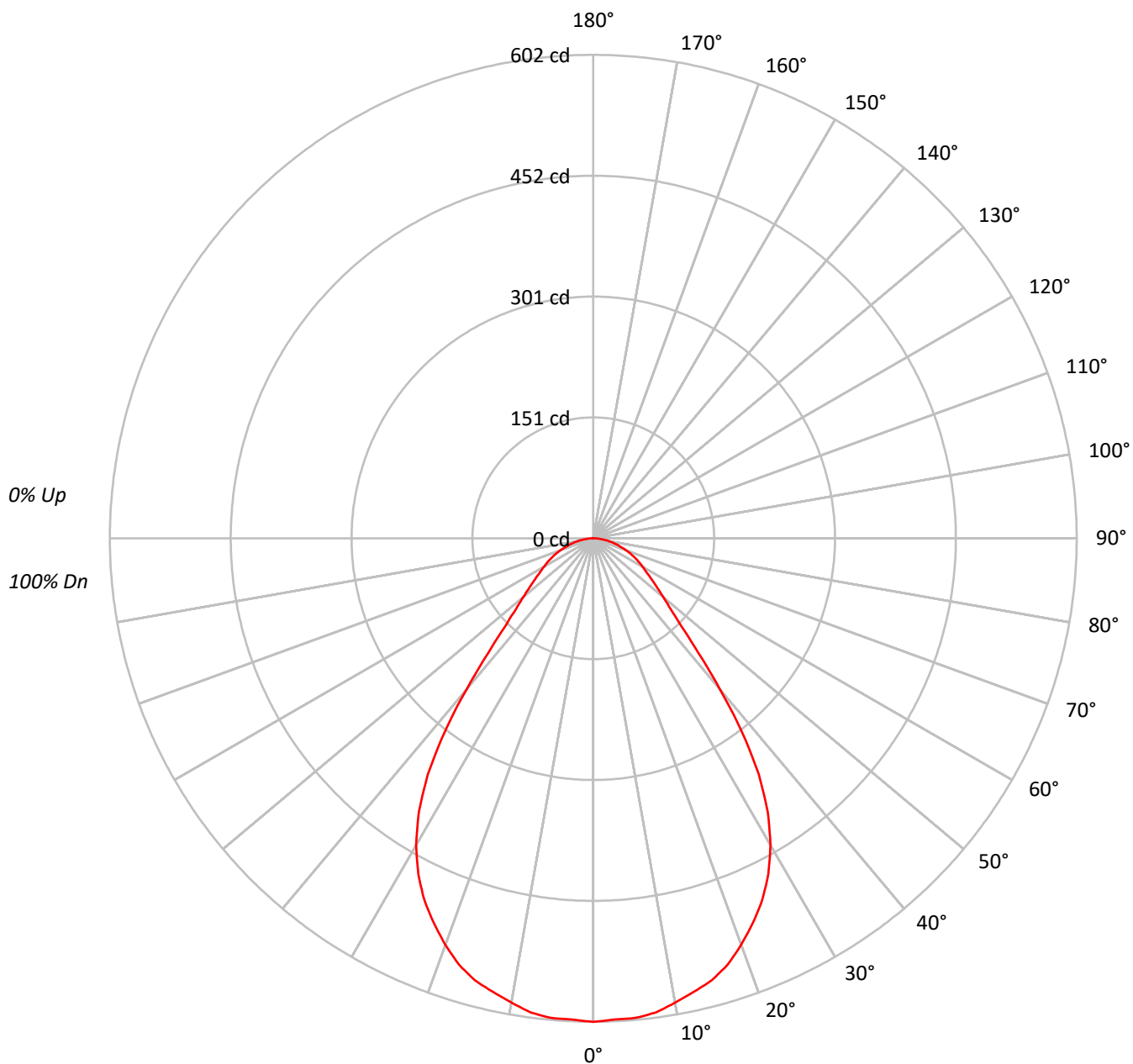
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	33018
5°	33001
10°	32681
15°	32344
20°	31427
25°	30099
30°	27935
35°	24039
40°	17547
45°	12025
50°	9663
55°	8420
60°	7773
65°	7394
70°	6908
75°	6460
80°	5872
85°	4969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	5.9
10°-20°	160.0	16.5
20°-30°	227.6	23.5
30°-40°	219.1	22.6
40°-50°	126.1	13.0
50°-60°	79.9	8.3
60°-70°	56.5	5.8
70°-80°	32.3	3.3
80°-90°	9.2	1.0
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°	444.5	45.9
0°-40°	663.6	68.6
0°-60°	869.6	89.9
0°-90°	967.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	967.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	602	
5°	600	57
15°	570	160
25°	498	228
35°	359	219
45°	155	126
55°	88	80
65°	57	57
75°	30	32
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	602.3
2.5°	599.7
5°	599.7
7.5°	595.7
10°	587.1
12.5°	578.5
15°	569.9
17.5°	556.6
20°	538.7
22.5°	518.8
25°	497.6
27.5°	471.8
30°	441.3
32.5°	404.1
35°	359.2
37.5°	304.1
40°	245.2
42.5°	193.5
45°	155.1
47.5°	130.5
50°	113.3
52.5°	99.4
55°	88.1
57.5°	78.2
60°	70.9
62.5°	64.2
65°	57.0
67.5°	50.3
70°	43.1
72.5°	36.5
75°	30.5
77.5°	24.5
80°	18.6
82.5°	13.3
85°	7.9
87.5°	3.3
90°	0.0



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— 0°-180°







(END OF REPORT)