

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: P583363

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583363
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-HM60525927-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 724.6 lumens
Efficiency: N/A
Efficacy: 90.6 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

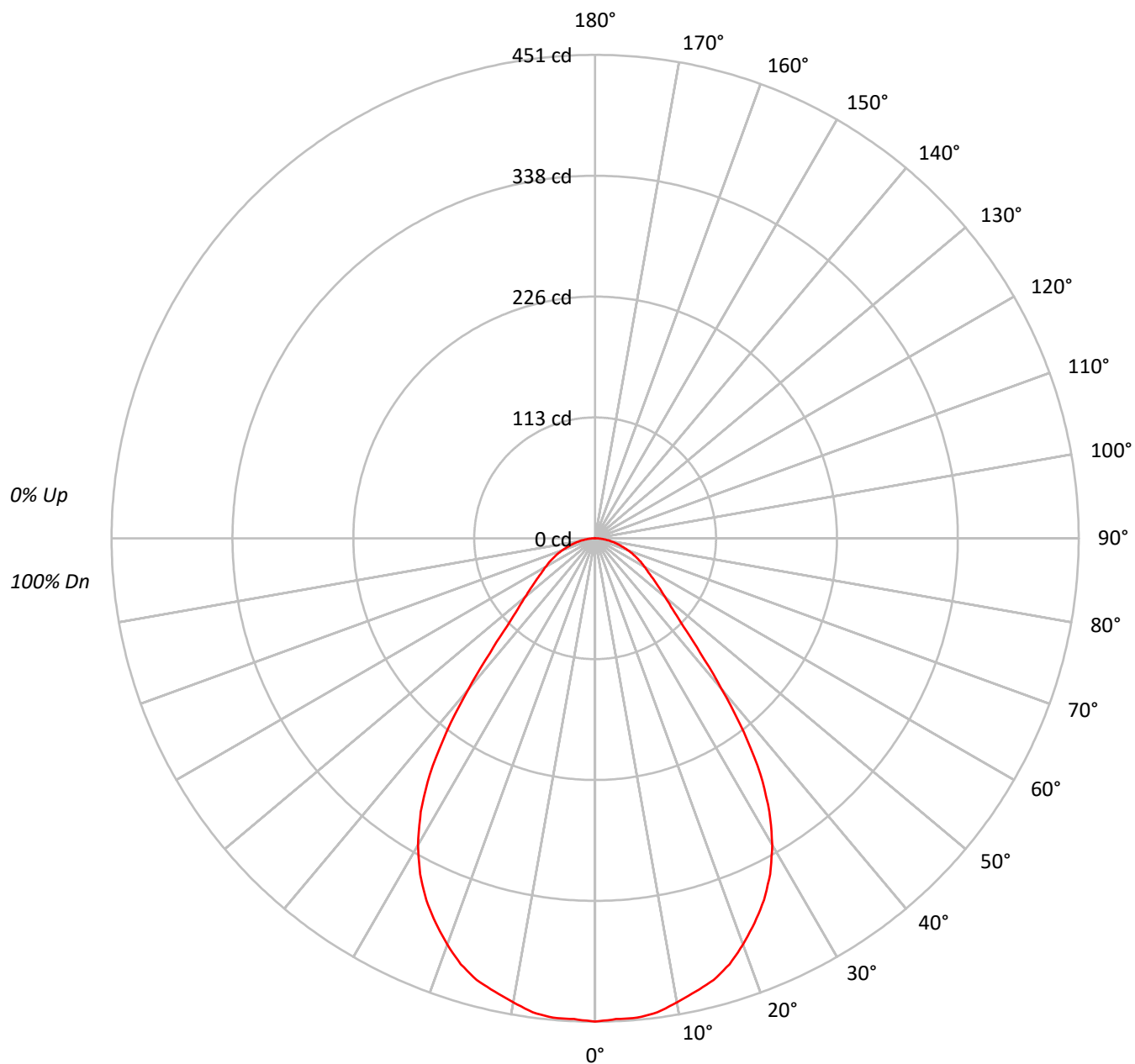
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	24718
5°	24708
10°	24471
15°	24217
20°	23528
25°	22532
30°	20915
35°	17996
40°	13132
45°	9001
50°	7241
55°	6298
60°	5822
65°	5539
70°	5177
75°	4829
80°	4388
85°	3774



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	5.9
10°-20°	119.8	16.5
20°-30°	170.4	23.5
30°-40°	164.1	22.6
40°-50°	94.4	13.0
50°-60°	59.8	8.3
60°-70°	42.4	5.8
70°-80°	24.2	3.3
80°-90°	6.9	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°	332.8	45.9
0°-40°	496.9	68.6
0°-60°	651.1	89.9
0°-90°	724.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	724.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	451	
5°	449	43
15°	427	120
25°	372	170
35°	269	164
45°	116	94
55°	66	60
65°	43	42
75°	23	24
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	450.9
2.5°	449.0
5°	449.0
7.5°	446.1
10°	439.6
12.5°	433.1
15°	426.7
17.5°	416.7
20°	403.3
22.5°	388.5
25°	372.5
27.5°	353.3
30°	330.4
32.5°	302.6
35°	268.9
37.5°	227.7
40°	183.5
42.5°	144.9
45°	116.1
47.5°	97.8
50°	84.9
52.5°	74.4
55°	65.9
57.5°	58.6
60°	53.1
62.5°	48.2
65°	42.7
67.5°	37.7
70°	32.3
72.5°	27.3
75°	22.8
77.5°	18.4
80°	13.9
82.5°	10.0
85°	6.0
87.5°	2.5
90°	0.0



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— 0°-180°







(END OF REPORT)