

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: P582057

Luminaire Tested: **HC625D010-HM60525927-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582057
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: HC625D010-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: 1935.9 lumens
Efficiency: N/A
Efficacy: 72.2 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

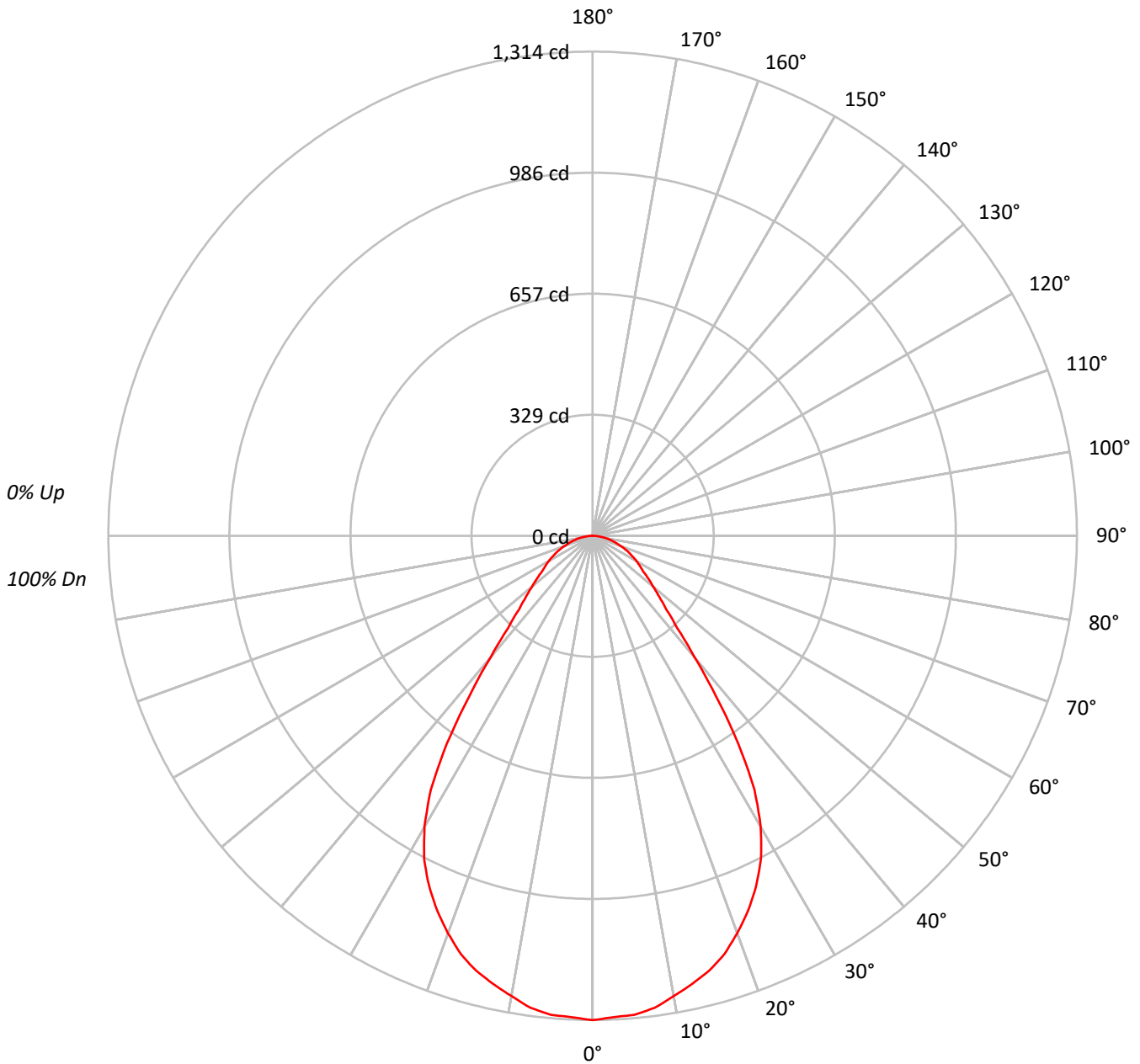
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72061
5°	71797
10°	70601
15°	69359
20°	66955
25°	63488
30°	57749
35°	46143
40°	30793
45°	21948
50°	18285
55°	15942
60°	15054
65°	14178
70°	13031
75°	12179
80°	11081
85°	9686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	6.4
10°-20°	343.1	17.7
20°-30°	479.5	24.8
30°-40°	422.4	21.8
40°-50°	228.2	11.8
50°-60°	152.6	7.9
60°-70°	108.2	5.6
70°-80°	60.8	3.1
80°-90°	17.7	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°	946.0	48.9
0°-40°	1368.4	70.7
0°-60°	1749.2	90.4
0°-90°	1935.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1935.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1314	
5°	1305	123
15°	1222	343
25°	1050	479
35°	690	422
45°	283	228
55°	167	153
65°	109	108
75°	58	61
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1314.5
2.5°	1307.5
5°	1304.7
7.5°	1292.1
10°	1268.3
12.5°	1245.9
15°	1222.1
17.5°	1189.8
20°	1147.7
22.5°	1101.5
25°	1049.6
27.5°	989.4
30°	912.3
32.5°	817.1
35°	689.5
37.5°	550.8
40°	430.3
42.5°	339.2
45°	283.1
47.5°	245.2
50°	214.4
52.5°	189.2
55°	166.8
57.5°	151.4
60°	137.3
62.5°	123.3
65°	109.3
67.5°	95.4
70°	81.3
72.5°	68.7
75°	57.5
77.5°	46.2
80°	35.1
82.5°	25.2
85°	15.4
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)