

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: P582075

Luminaire Tested: **HC625D010-HM60525930-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582075
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-HM60525930-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2113.3 lumens
Efficiency: N/A
Efficacy: 78.9 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

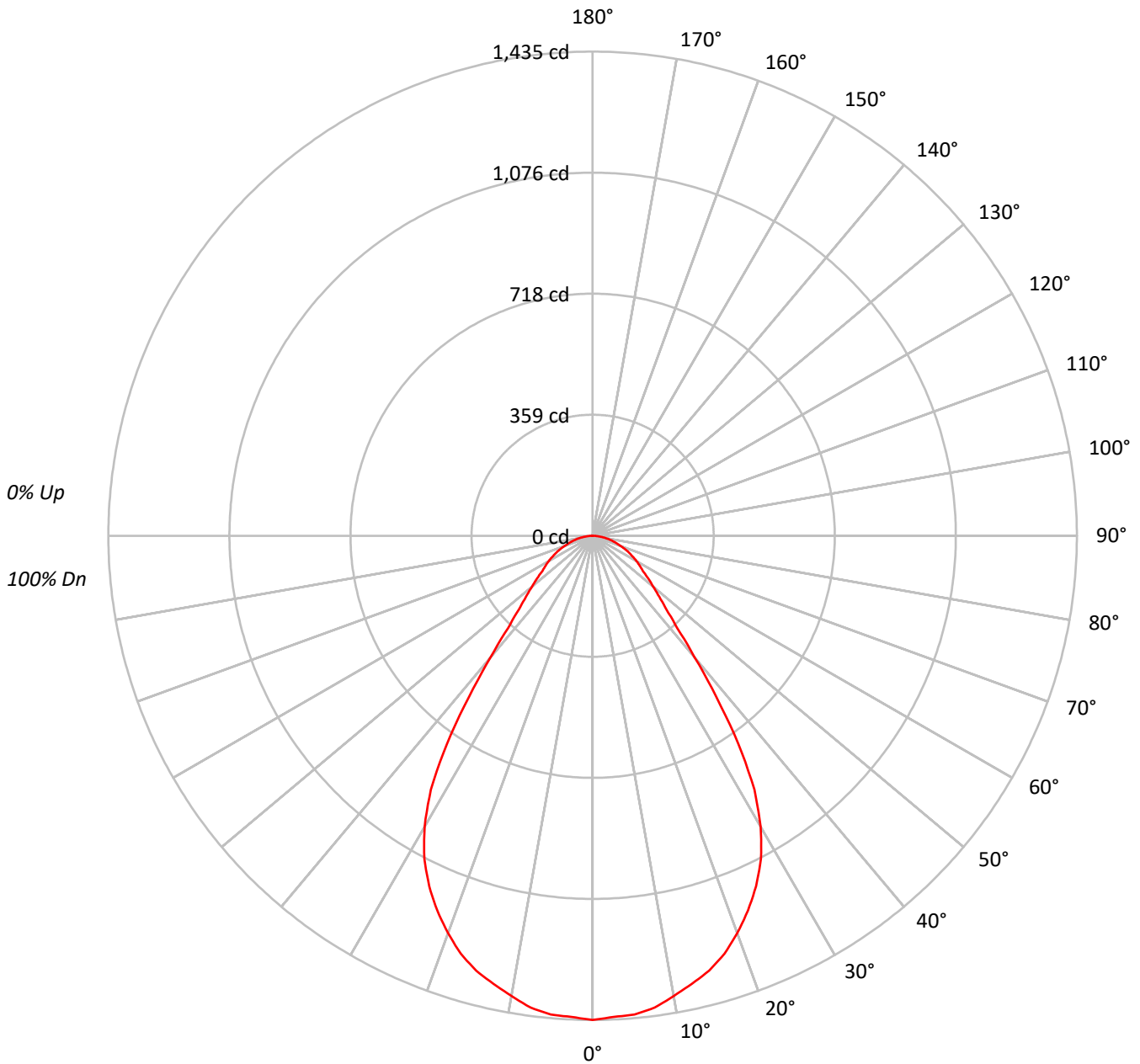
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	78672
5°	78379
10°	77075
15°	75716
20°	73098
25°	69312
30°	63048
35°	50373
40°	33606
45°	23956
50°	19965
55°	17404
60°	16446
65°	15475
70°	14217
75°	13302
80°	12060
85°	10567



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	6.4
10°-20°	374.6	17.7
20°-30°	523.4	24.8
30°-40°	461.1	21.8
40°-50°	249.1	11.8
50°-60°	166.6	7.9
60°-70°	118.0	5.6
70°-80°	66.4	3.1
80°-90°	19.3	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°	1032.7	48.9
0°-40°	1493.8	70.7
0°-60°	1909.6	90.4
0°-90°	2113.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1435	
5°	1424	135
15°	1334	375
25°	1146	523
35°	753	461
45°	309	249
55°	182	167
65°	119	118
75°	63	66
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1435.1
2.5°	1427.4
5°	1424.3
7.5°	1410.6
10°	1384.6
12.5°	1360.1
15°	1334.1
17.5°	1298.9
20°	1253.0
22.5°	1202.5
25°	1145.9
27.5°	1080.1
30°	996.0
32.5°	891.9
35°	752.7
37.5°	601.3
40°	469.6
42.5°	370.3
45°	309.0
47.5°	267.8
50°	234.1
52.5°	206.5
55°	182.1
57.5°	165.3
60°	150.0
62.5°	134.6
65°	119.3
67.5°	104.0
70°	88.7
72.5°	74.9
75°	62.8
77.5°	50.5
80°	38.2
82.5°	27.6
85°	16.8
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)