

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: P582085

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582085
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: HC625D010-HM60525930-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2234.3 lumens
Efficiency: N/A
Efficacy: 83.4 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

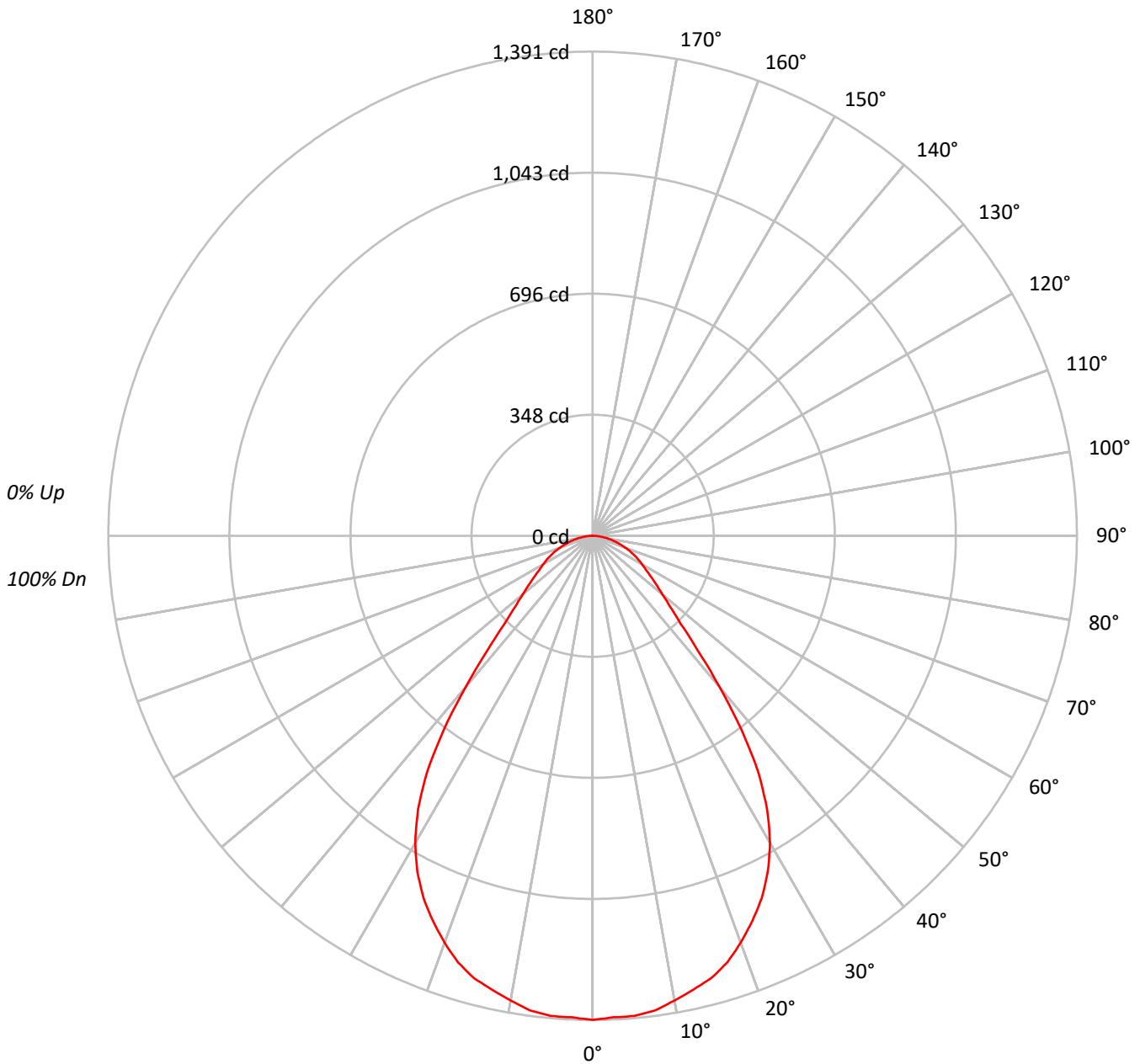
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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			
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°	76244
5°	76199
10°	75461
15°	74677
20°	72567
25°	69500
30°	64497
35°	55493
40°	40512
45°	27755
50°	22311
55°	19450
60°	17959
65°	17071
70°	15948
75°	14911
80°	13543
85°	11573



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	5.9
10°-20°	369.5	16.5
20°-30°	525.6	23.5
30°-40°	506.0	22.6
40°-50°	291.1	13.0
50°-60°	184.5	8.3
60°-70°	130.6	5.8
70°-80°	74.5	3.3
80°-90°	21.2	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°	1026.4	45.9
0°-40°	1532.4	68.6
0°-60°	2008.0	89.9
0°-90°	2234.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2234.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1391	
5°	1385	131
15°	1316	370
25°	1149	526
35°	829	506
45°	358	291
55°	204	184
65°	132	131
75°	70	74
85°	18	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1390.8
2.5°	1384.7
5°	1384.7
7.5°	1375.4
10°	1355.6
12.5°	1335.7
15°	1315.8
17.5°	1285.2
20°	1243.9
22.5°	1198.0
25°	1149.0
27.5°	1089.4
30°	1018.9
32.5°	933.4
35°	829.2
37.5°	702.3
40°	566.1
42.5°	446.8
45°	358.0
47.5°	301.5
50°	261.6
52.5°	229.5
55°	203.5
57.5°	180.6
60°	163.8
62.5°	148.4
65°	131.6
67.5°	116.3
70°	99.5
72.5°	84.2
75°	70.4
77.5°	56.6
80°	42.9
82.5°	30.6
85°	18.4
87.5°	7.6
90°	0.0



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— 0°-180°







(END OF REPORT)