

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: P582006

Luminaire Tested: **HC625D010-HM60525830-61NDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC625D010-HM60525830-61NDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" NARROW DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2429.5 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

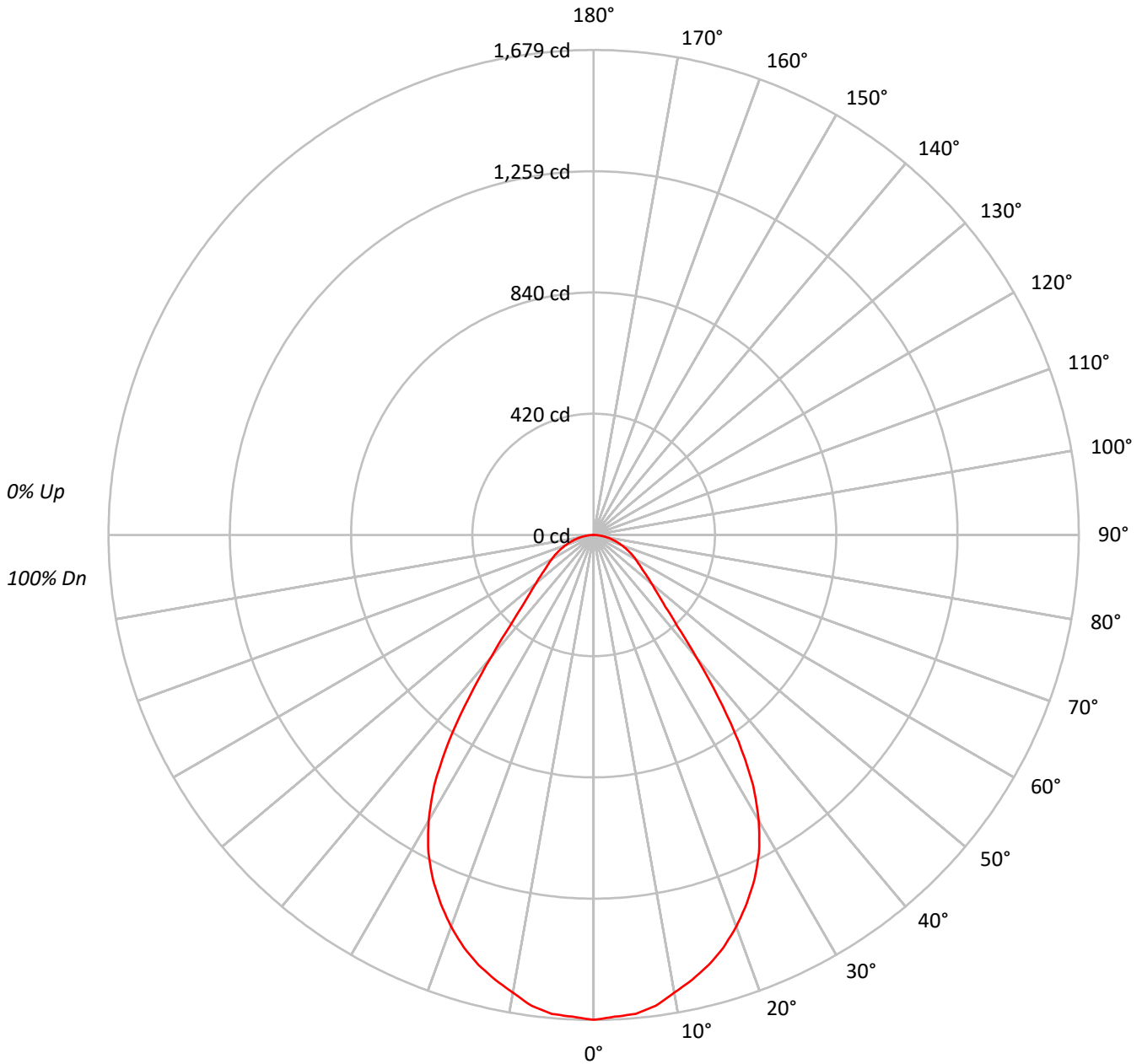
Input Watts (W): 26.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	83	86	83	81	79			79
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	81	73	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63			63
5	84	74	67	61	83	73	66	61	71	65	60	69	64	60	67	63	59	57			57
6	79	68	61	55	77	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48			48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	46	44			44
9	66	55	48	43	65	54	47	43	53	47	42	52	46	42	51	46	42	41			41
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92021
5°	91591
10°	89566
15°	87464
20°	84182
25°	79613
30°	72347
35°	58558
40°	39488
45°	27135
50°	22234
55°	19459
60°	18409
65°	17369
70°	16301
75°	15504
80°	14080
85°	12391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.1	6.5
10°-20°	432.8	17.8
20°-30°	601.3	24.7
30°-40°	535.4	22.0
40°-50°	284.2	11.7
50°-60°	185.9	7.6
60°-70°	133.2	5.5
70°-80°	77.2	3.2
80°-90°	22.6	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°	1191.2	49.0
0°-40°	1726.5	71.1
0°-60°	2196.6	90.4
0°-90°	2429.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2429.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1679	
5°	1664	157
15°	1541	433
25°	1316	601
35°	875	535
45°	350	284
55°	204	186
65°	134	133
75°	73	77
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1678.6
2.5°	1669.7
5°	1664.4
7.5°	1644.7
10°	1609.0
12.5°	1576.8
15°	1541.1
17.5°	1496.5
20°	1443.0
22.5°	1382.2
25°	1316.2
27.5°	1239.3
30°	1142.9
32.5°	1026.8
35°	875.0
37.5°	707.2
40°	551.8
42.5°	428.5
45°	350.0
47.5°	298.2
50°	260.7
52.5°	230.4
55°	203.6
57.5°	183.9
60°	167.9
62.5°	151.7
65°	133.9
67.5°	117.9
70°	101.7
72.5°	87.5
75°	73.2
77.5°	58.9
80°	44.6
82.5°	32.2
85°	19.7
87.5°	8.9
90°	0.0



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— 0°-180°







(END OF REPORT)