

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: P581651

Luminaire Tested: **HC610D010-HM60525930-61WDC**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P581651
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC610D010-HM60525930-61WDC
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1079.2 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.28 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

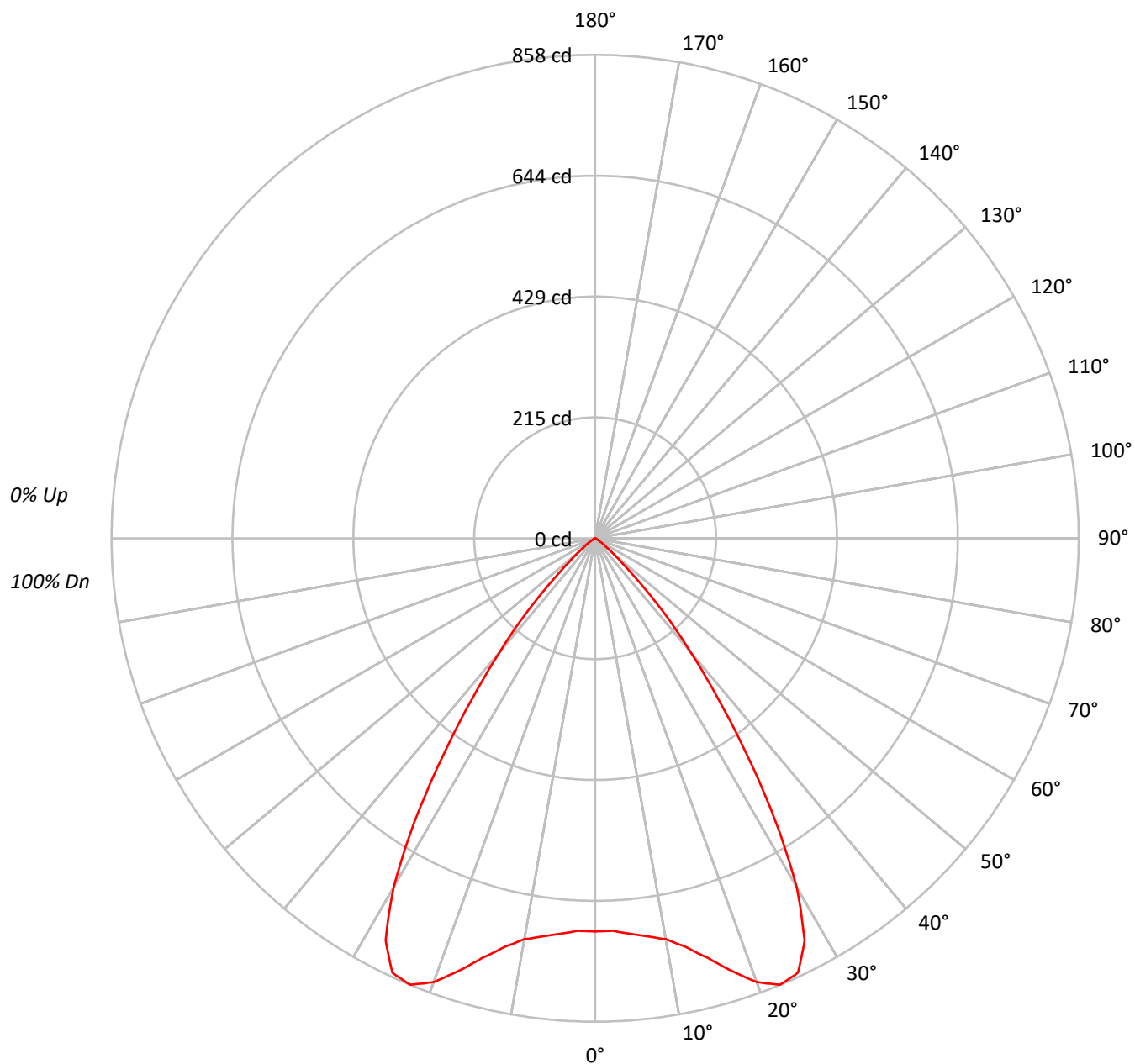
Input Watts (W): 9.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	103		104	102	100		100	99	97		97	96	94
2	107	102	97	94		105	100	96	93		97	94	91		94	91	89		91	89	87
3	101	94	89	85		99	93	88	84		90	86	82		88	84	81		85	82	80
4	95	87	81	77		93	86	80	76		84	79	75		82	78	74		80	76	74
5	90	81	75	70		88	80	74	70		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	63	59		79	69	63	59		68	62	58		67	62	58		66	61	58
8	76	65	59	54		74	65	58	54		64	58	54		62	57	54		61	57	53
9	71	61	55	50		70	60	54	50		60	54	50		59	53	50		58	53	50
10	68	57	51	47		67	57	51	47		56	50	46		55	50	46		54	50	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38259
5°	38774
10°	40224
15°	43746
20°	48911
25°	51475
30°	45317
35°	31434
40°	18771
45°	8923
50°	3369
55°	1405
60°	439
65°	350
70°	224
75°	148
80°	221
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.8	6.3
10°-20°	221.3	20.5
20°-30°	379.2	35.1
30°-40°	294.5	27.3
40°-50°	97.4	9.0
50°-60°	14.9	1.4
60°-70°	2.7	0.2
70°-80°	1.0	0.1
80°-90°	0.3	0.0
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°	668.4	61.9
0°-40°	962.9	89.2
0°-60°	1075.2	99.6
0°-90°	1079.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1079.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	698	
5°	705	68
15°	771	221
25°	851	379
35°	470	295
45°	115	97
55°	15	15
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	697.9
2.5°	697.2
5°	704.6
7.5°	712.6
10°	722.6
12.5°	742.7
15°	770.8
17.5°	804.9
20°	838.4
22.5°	857.7
25°	851.0
27.5°	804.9
30°	715.9
32.5°	596.1
35°	469.7
37.5°	356.6
40°	262.3
42.5°	185.3
45°	115.1
47.5°	64.2
50°	39.5
52.5°	24.1
55°	14.7
57.5°	7.4
60°	4.0
62.5°	3.4
65°	2.7
67.5°	2.0
70°	1.4
72.5°	1.4
75°	0.7
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)