

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: P582992

Luminaire Tested: **HC655D010-HM64560827-61MDH**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC655D010-HM64560827-61MDH
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792.5 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 0.97
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

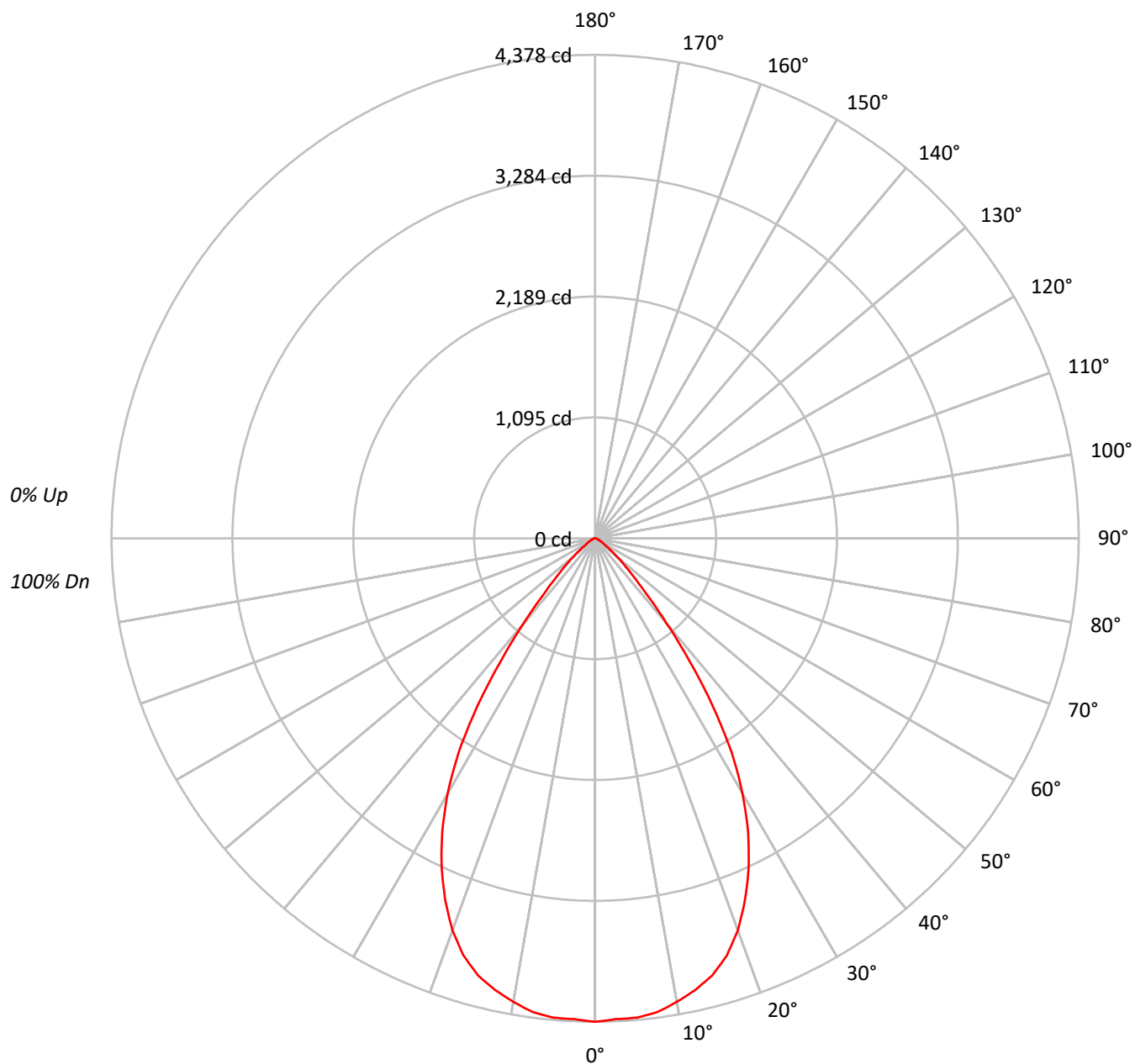
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	113	110	108	105	111	108	106	104		104	102	100			100	99	97			97
2	107	102	98	94	105	100	96	93		97	94	91			94	91	89			91
3	101	94	89	85	99	93	88	84		90	86	83			88	84	81			86
4	96	88	82	77	94	86	81	77		84	79	76			82	78	75			80
5	90	81	75	71	89	80	75	70		79	74	70			77	73	69			75
6	85	76	70	65	84	75	69	65		74	68	64			72	67	64			71
7	81	71	65	60	79	70	64	60		69	64	60			68	63	59			67
8	77	67	60	56	75	66	60	56		65	59	55			64	59	55			63
9	73	62	56	52	72	62	56	52		61	56	52			60	55	52			59
10	69	59	53	49	68	58	52	48		57	52	48			57	52	48			56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240025
5°	239830
10°	237326
15°	232555
20°	220292
25°	198937
30°	168994
35°	124771
40°	72157
45°	38299
50°	21645
55°	11316
60°	7423
65°	5266
70°	3799
75°	2859
80°	2115
85°	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.0	8.6
10°-20°	1146.1	23.9
20°-30°	1495.8	31.2
30°-40°	1143.1	23.9
40°-50°	413.9	8.6
50°-60°	120.2	2.5
60°-70°	43.0	0.9
70°-80°	14.7	0.3
80°-90°	2.8	0.1
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°	3054.9	63.7
0°-40°	4198.0	87.6
0°-60°	4732.1	98.7
0°-90°	4792.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4792.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4378	
5°	4358	413
15°	4098	1146
25°	3289	1496
35°	1864	1143
45°	494	414
55°	118	120
65°	41	43
75°	14	15
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4378.4
2.5°	4358.2
5°	4358.2
7.5°	4327.7
10°	4263.4
12.5°	4189.0
15°	4097.6
17.5°	3962.2
20°	3776.1
22.5°	3546.0
25°	3288.9
27.5°	2998.0
30°	2669.7
32.5°	2300.9
35°	1864.4
37.5°	1407.7
40°	1008.3
42.5°	697.0
45°	494.0
47.5°	355.3
50°	253.8
52.5°	179.3
55°	118.4
57.5°	84.6
60°	67.7
62.5°	54.2
65°	40.6
67.5°	33.8
70°	23.7
72.5°	16.9
75°	13.5
77.5°	10.2
80°	6.7
82.5°	3.4
85°	3.4
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)