

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: P583040

Luminaire Tested: **HC655D010-HM64560835-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC655D010-HM64560835-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6003.2 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

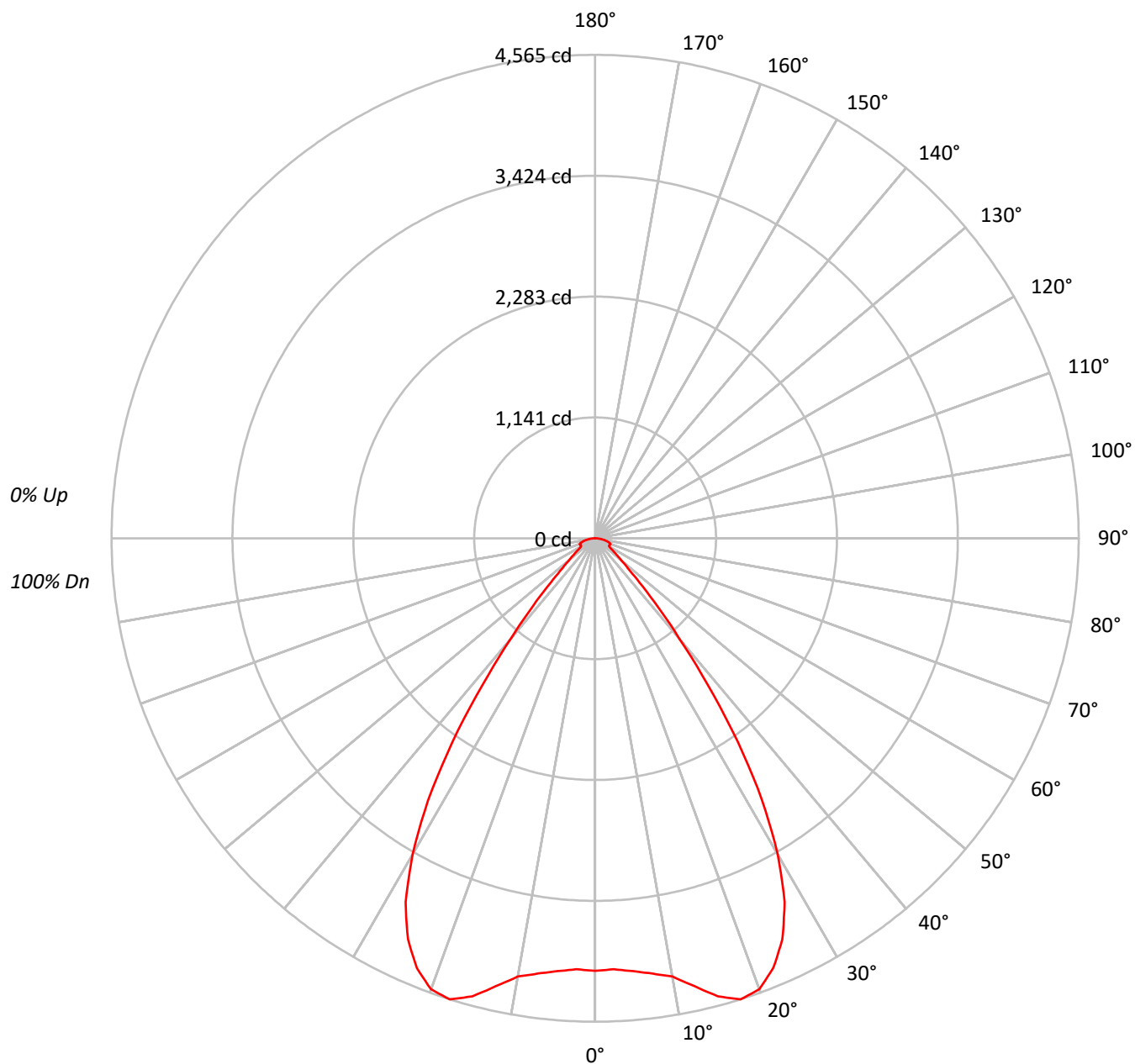
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	100	98		99	97	95		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	86	84
3	99	92	86	81		97	90	85	81		88	83	79		85	81	78		83	80	77
4	93	85	78	73		91	83	78	73		81	76	72		79	75	71		77	73	70
5	88	78	72	67		86	77	71	66		75	70	66		74	69	65		72	68	65
6	83	73	66	61		81	72	66	61		70	65	60		69	64	60		67	63	60
7	78	68	61	56		77	67	61	56		66	60	56		64	59	55		63	59	55
8	74	63	57	52		73	63	56	52		61	56	52		60	55	51		59	55	51
9	70	59	53	48		69	59	52	48		58	52	48		57	51	48		56	51	48
10	66	56	49	45		65	55	49	45		54	48	45		53	48	44		53	48	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223902
5°	225808
10°	233941
15°	254110
20°	264325
25°	252819
30°	218185
35°	157102
40°	88502
45°	45865
50°	27342
55°	19698
60°	16742
65°	19302
70°	24475
75°	25883
80°	25319
85°	24027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.8	6.6
10°-20°	1262.8	21.0
20°-30°	1887.5	31.4
30°-40°	1442.9	24.0
40°-50°	504.0	8.4
50°-60°	192.1	3.2
60°-70°	150.6	2.5
70°-80°	127.4	2.1
80°-90°	41.1	0.7
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°	3545.2	59.1
0°-40°	4988.1	83.1
0°-60°	5684.1	94.7
0°-90°	6003.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6003.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4084	
5°	4103	395
15°	4477	1263
25°	4180	1888
35°	2348	1443
45°	592	504
55°	206	192
65°	149	151
75°	122	127
85°	38	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4084.3
2.5°	4072.8
5°	4103.4
7.5°	4145.4
10°	4202.6
12.5°	4332.4
15°	4477.4
17.5°	4565.2
20°	4530.9
22.5°	4393.4
25°	4179.7
27.5°	3874.3
30°	3446.8
32.5°	2935.4
35°	2347.5
37.5°	1740.5
40°	1236.7
42.5°	866.4
45°	591.6
47.5°	416.1
50°	320.6
52.5°	252.0
55°	206.1
57.5°	168.0
60°	152.7
62.5°	148.8
65°	148.8
67.5°	156.5
70°	152.7
72.5°	141.3
75°	122.2
77.5°	103.0
80°	80.2
82.5°	57.3
85°	38.2
87.5°	15.3
90°	0.0



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— 0°-180°







(END OF REPORT)