

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: P583252

Luminaire Tested: **HC660D010-HM64560935-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560935-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4678.2 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

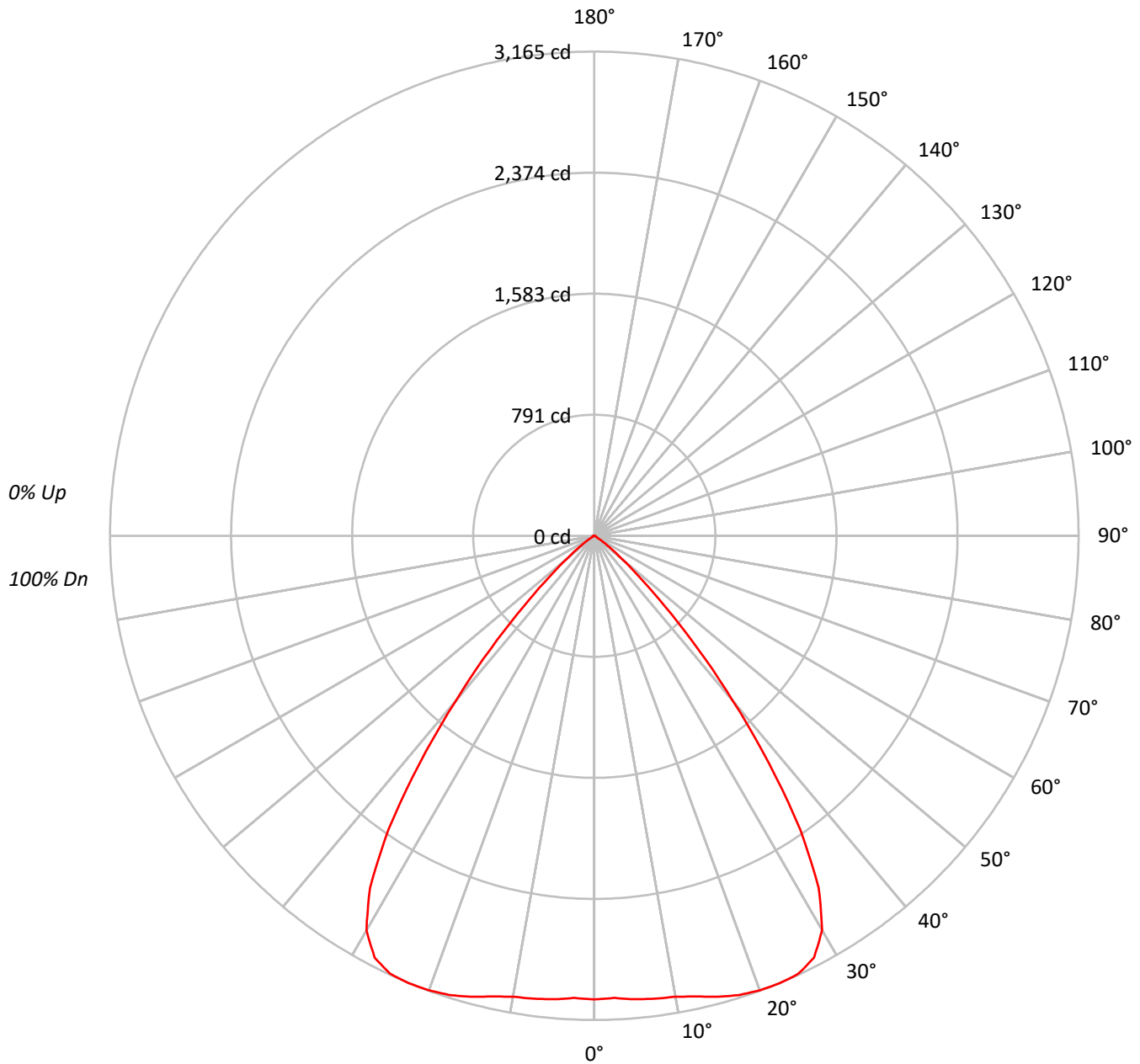
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	105		110	108	105	103		104	102	100		100	98	97		97	95	94
2	107	101	97	93		104	100	95	92		96	93	90		93	91	88		90	88	86
3	100	93	88	83		98	92	87	83		89	85	81		87	83	80		84	81	79
4	95	86	80	75		93	85	79	75		83	78	74		81	77	73		79	75	72
5	89	80	73	68		87	79	73	68		77	72	67		75	70	67		73	69	66
6	84	74	67	62		82	73	67	62		71	66	62		70	65	61		69	64	61
7	79	68	62	57		77	68	61	57		66	61	57		65	60	56		64	59	56
8	74	64	57	52		73	63	57	52		62	56	52		61	56	52		60	55	52
9	70	59	53	48		69	59	53	48		58	52	48		57	52	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°	166149
5°	167367
10°	170287
15°	177038
20°	184460
25°	191037
30°	188485
35°	157042
40°	100703
45°	50292
50°	19957
55°	6776
60°	1941
65°	1375
70°	1138
75°	1504
80°	1105
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.8	6.2
10°-20°	884.7	18.9
20°-30°	1444.6	30.9
30°-40°	1416.1	30.3
40°-50°	543.0	11.6
50°-60°	79.7	1.7
60°-70°	11.8	0.3
70°-80°	6.1	0.1
80°-90°	1.4	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°	2620.2	56.0
0°-40°	4036.3	86.3
0°-60°	4658.9	99.6
0°-90°	4678.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4678.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3031	
5°	3041	291
15°	3119	885
25°	3158	1445
35°	2347	1416
45°	649	543
55°	71	80
65°	11	12
75°	7	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3030.8
2.5°	3023.7
5°	3041.4
7.5°	3052.0
10°	3059.1
12.5°	3083.9
15°	3119.4
17.5°	3147.7
20°	3161.9
22.5°	3165.4
25°	3158.3
27.5°	3108.7
30°	2977.6
32.5°	2729.5
35°	2346.6
37.5°	1875.2
40°	1407.2
42.5°	1003.2
45°	648.7
47.5°	397.0
50°	234.0
52.5°	134.7
55°	70.9
57.5°	31.9
60°	17.7
62.5°	14.2
65°	10.6
67.5°	10.6
70°	7.1
72.5°	7.1
75°	7.1
77.5°	3.5
80°	3.5
82.5°	3.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)