

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: P583256

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583256
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: HC660D010-HM64560935-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5575.0 lumens
Efficiency: N/A
Efficacy: 101.4 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

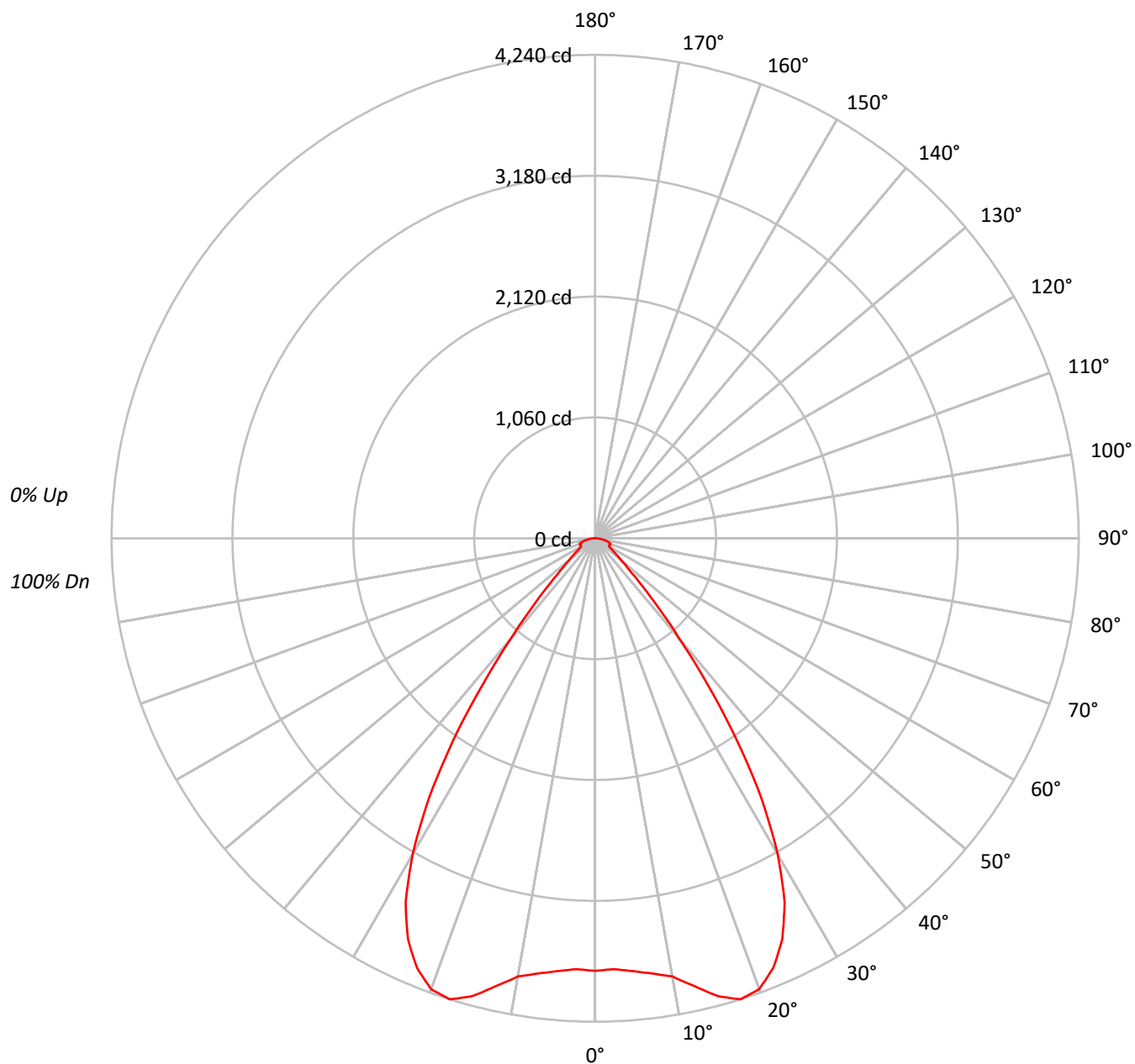
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69		
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63		
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54		
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50		
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46		
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	207927
5°	209696
10°	217253
15°	235983
20°	245471
25°	234782
30°	202620
35°	145899
40°	82190
45°	42594
50°	25398
55°	18293
60°	15547
65°	17940
70°	22728
75°	24040
80°	23488
85°	22329



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.7	6.6
10°-20°	1172.8	21.0
20°-30°	1752.9	31.4
30°-40°	1339.9	24.0
40°-50°	468.0	8.4
50°-60°	178.3	3.2
60°-70°	139.9	2.5
70°-80°	118.4	2.1
80°-90°	38.1	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°	3292.3	59.1
0°-40°	4632.2	83.1
0°-60°	5278.6	94.7
0°-90°	5575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5575.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3793	
5°	3811	367
15°	4158	1173
25°	3882	1753
35°	2180	1340
45°	549	468
55°	191	178
65°	138	140
75°	114	118
85°	36	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3792.9
2.5°	3782.2
5°	3810.6
7.5°	3849.7
10°	3902.8
12.5°	4023.3
15°	4158.0
17.5°	4239.6
20°	4207.7
22.5°	4080.0
25°	3881.5
27.5°	3597.9
30°	3200.9
32.5°	2725.9
35°	2180.1
37.5°	1616.4
40°	1148.5
42.5°	804.7
45°	549.4
47.5°	386.4
50°	297.8
52.5°	234.0
55°	191.4
57.5°	155.9
60°	141.8
62.5°	138.3
65°	138.3
67.5°	145.4
70°	141.8
72.5°	131.2
75°	113.5
77.5°	95.7
80°	74.4
82.5°	53.1
85°	35.5
87.5°	14.2
90°	0.0



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— 0°-180°







(END OF REPORT)