

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: P583238

Luminaire Tested: **HC660D010-HM64560930-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583238
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-HM64560930-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5510.2 lumens
Efficiency: N/A
Efficacy: 100.2 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

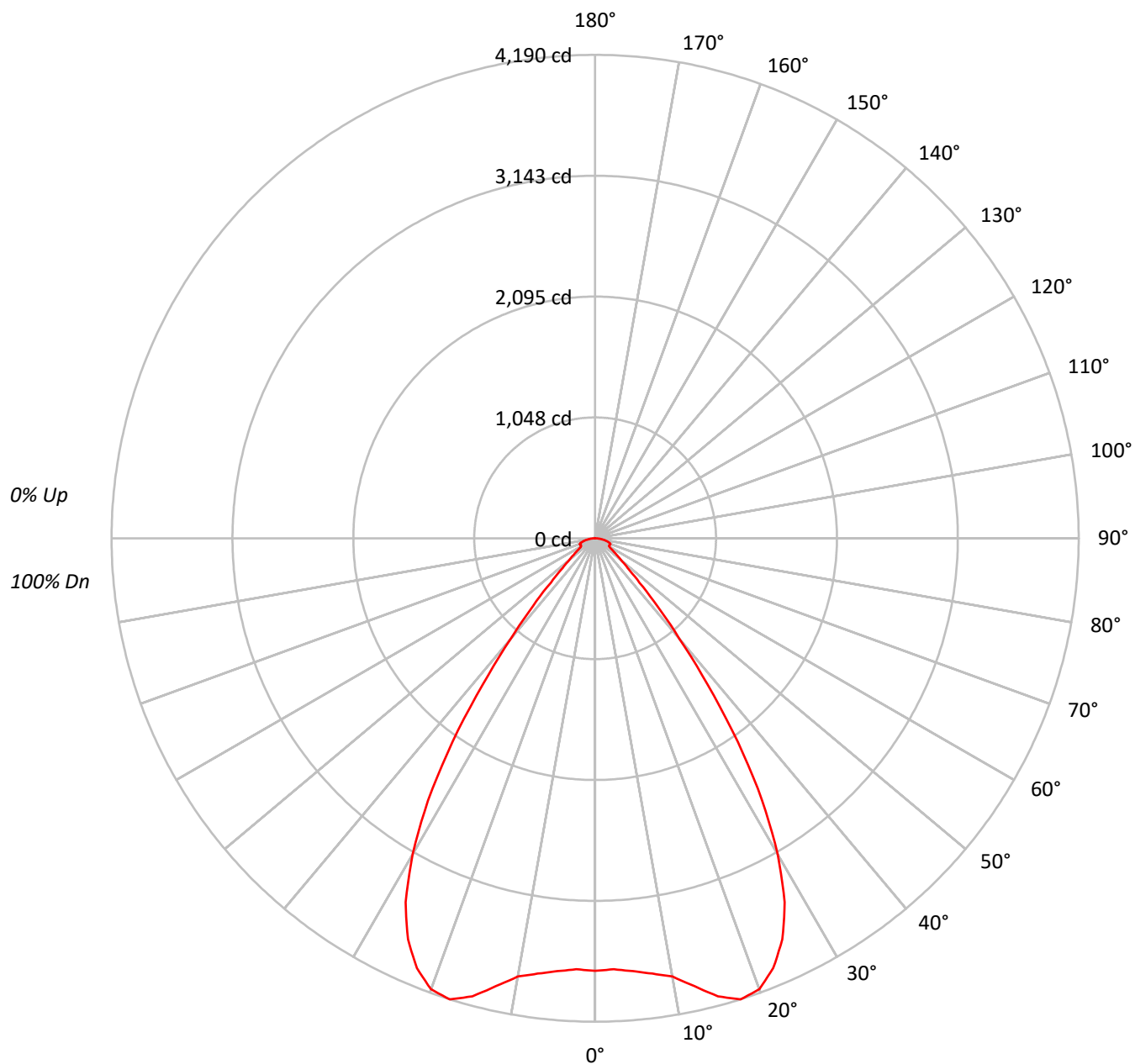
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	205515
5°	207263
10°	214725
15°	233242
20°	242618
25°	232060
30°	200271
35°	144199
40°	81238
45°	42105
50°	25099
55°	18083
60°	15372
65°	17719
70°	22472
75°	23744
80°	23204
85°	22015



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.4	6.6
10°-20°	1159.1	21.0
20°-30°	1732.5	31.4
30°-40°	1324.4	24.0
40°-50°	462.6	8.4
50°-60°	176.3	3.2
60°-70°	138.3	2.5
70°-80°	116.9	2.1
80°-90°	37.6	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°	3254.1	59.1
0°-40°	4578.5	83.1
0°-60°	5217.4	94.7
0°-90°	5510.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5510.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3749	
5°	3766	362
15°	4110	1159
25°	3836	1733
35°	2155	1324
45°	543	463
55°	189	176
65°	137	138
75°	112	117
85°	35	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3748.9
2.5°	3738.3
5°	3766.4
7.5°	3805.0
10°	3857.4
12.5°	3976.7
15°	4109.7
17.5°	4190.4
20°	4158.8
22.5°	4032.7
25°	3836.5
27.5°	3556.1
30°	3163.8
32.5°	2694.3
35°	2154.7
37.5°	1597.6
40°	1135.2
42.5°	795.4
45°	543.1
47.5°	381.9
50°	294.3
52.5°	231.2
55°	189.2
57.5°	154.2
60°	140.2
62.5°	136.6
65°	136.6
67.5°	143.6
70°	140.2
72.5°	129.6
75°	112.1
77.5°	94.6
80°	73.5
82.5°	52.6
85°	35.0
87.5°	14.0
90°	0.0



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— 0°-180°







(END OF REPORT)