

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: P583255

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

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583255
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC660D010-HM64560935-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5174.5 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

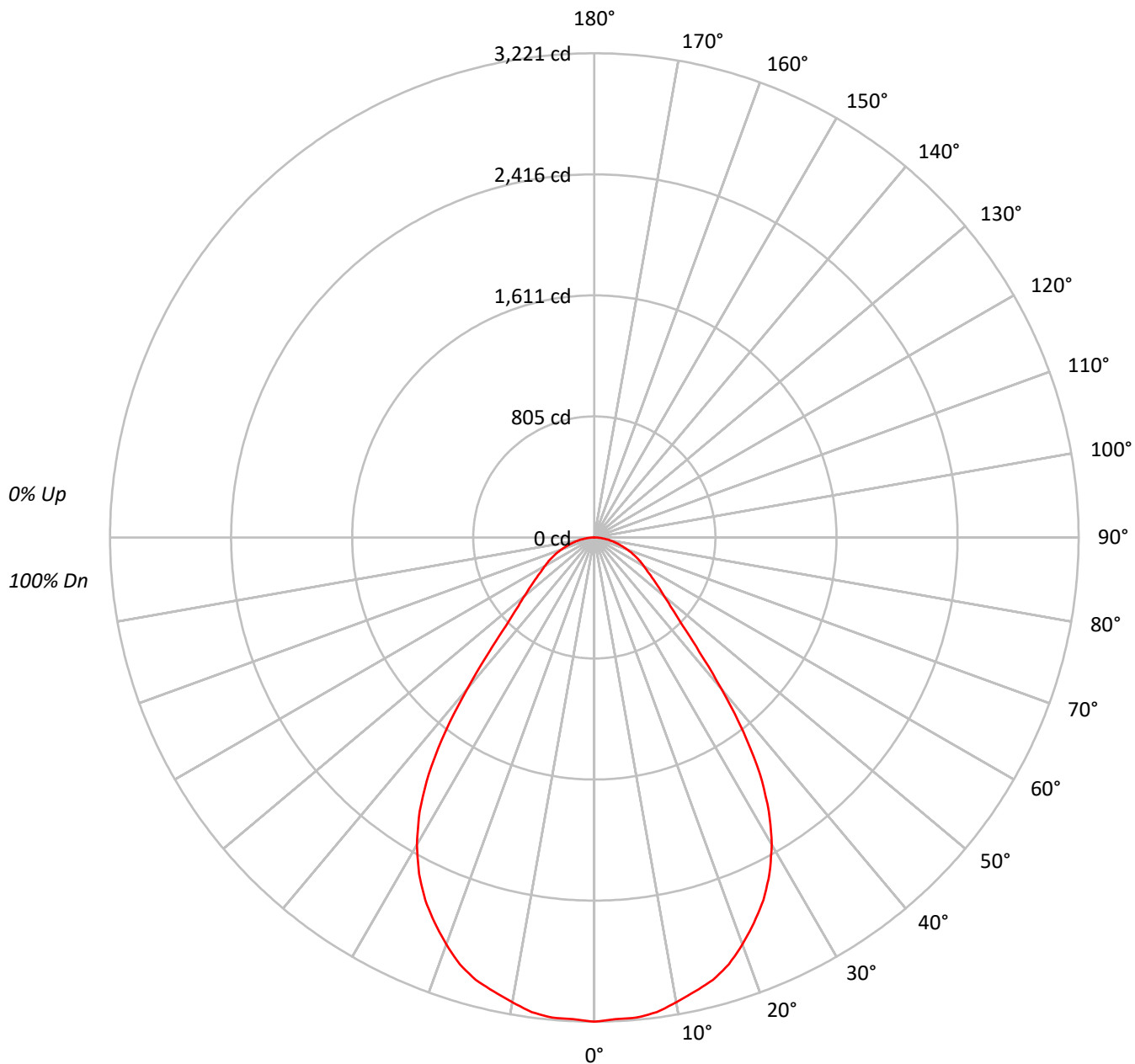
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78		
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69		
4	89	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62		
5	84	73	65	60	82	72	65	59	70	64	59	68	63	58	66	61	58	56		
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51		
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46		
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	47	41	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	176581
5°	176474
10°	174769
15°	172952
20°	168061
25°	160969
30°	149390
35°	128532
40°	93826
45°	64286
50°	51683
55°	45045
60°	41576
65°	39537
70°	36913
75°	34525
80°	31349
85°	26732



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.0	5.9
10°-20°	855.9	16.5
20°-30°	1217.2	23.5
30°-40°	1171.9	22.6
40°-50°	674.3	13.0
50°-60°	427.2	8.3
60°-70°	302.4	5.8
70°-80°	172.4	3.3
80°-90°	49.2	1.0
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°	2377.1	45.9
0°-40°	3549.0	68.6
0°-60°	4650.5	89.9
0°-90°	5174.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5174.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3221	
5°	3207	304
15°	3047	856
25°	2661	1217
35°	1921	1172
45°	829	674
55°	471	427
65°	305	302
75°	163	172
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3221.1
2.5°	3206.9
5°	3206.9
7.5°	3185.6
10°	3139.6
12.5°	3093.4
15°	3047.4
17.5°	2976.6
20°	2880.8
22.5°	2774.6
25°	2661.2
27.5°	2523.0
30°	2360.0
32.5°	2161.6
35°	1920.6
37.5°	1626.5
40°	1311.1
42.5°	1034.7
45°	829.2
47.5°	698.1
50°	606.0
52.5°	531.5
55°	471.3
57.5°	418.1
60°	379.2
62.5°	343.7
65°	304.8
67.5°	269.3
70°	230.3
72.5°	194.9
75°	163.0
77.5°	131.1
80°	99.3
82.5°	70.9
85°	42.5
87.5°	17.7
90°	0.0



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— 0°-180°







(END OF REPORT)