

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: P583147

Luminaire Tested: **HC660D010-HM64560827-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583147
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-HM64560827-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5148.3 lumens
Efficiency: N/A
Efficacy: 93.6 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

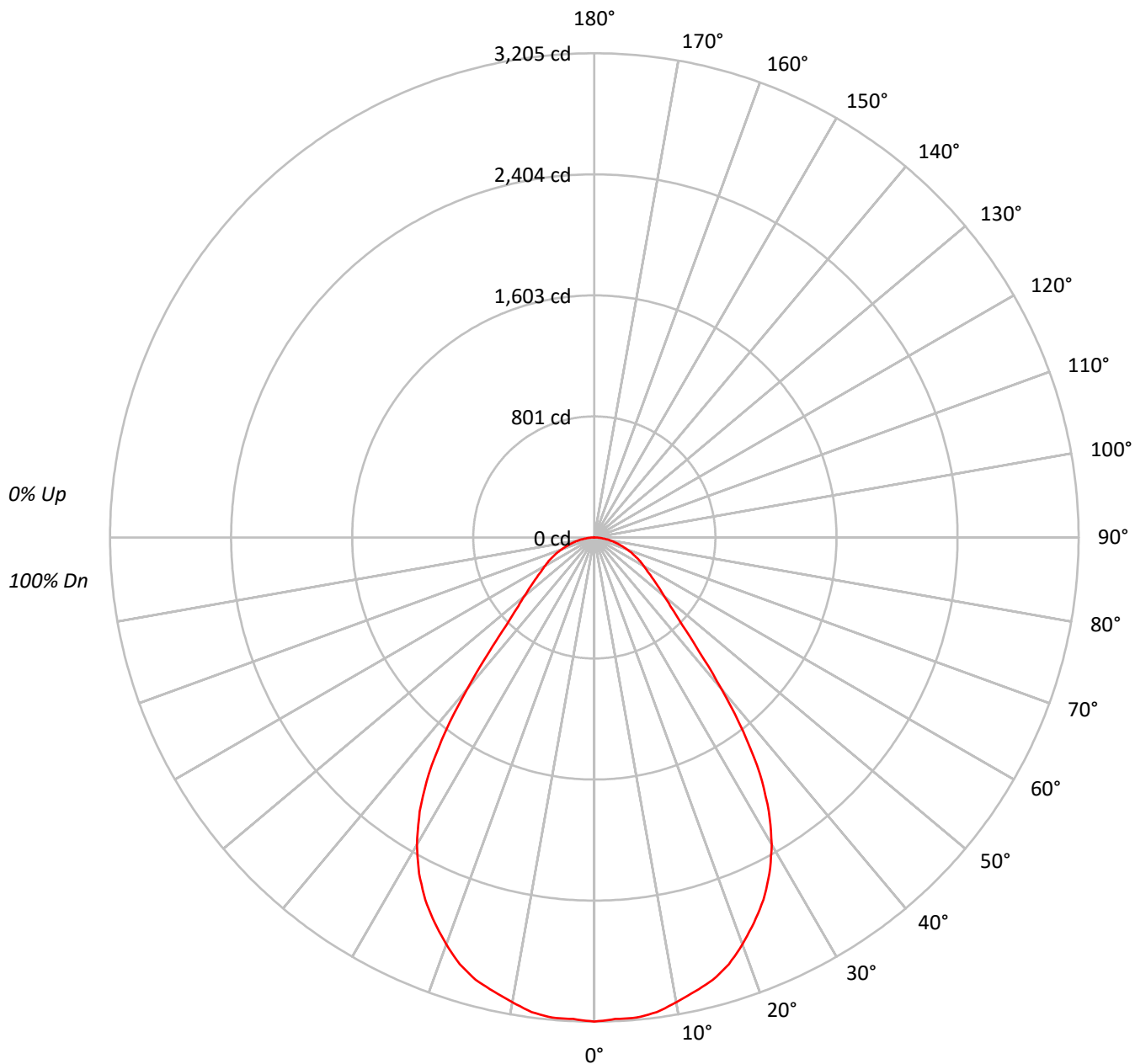
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	111	107	104	101	108	105	102	99		101	98	96			97	95	93			94
2	103	97	91	87	101	95	90	86		91	87	84			88	85	82			85
3	96	87	81	76	94	86	80	75		83	78	74			81	76	72			78
4	89	80	72	67	87	78	72	66		76	70	66			74	69	65			72
5	84	73	65	60	82	72	65	59		70	64	59			68	63	58			66
6	78	67	59	54	76	66	59	54		64	58	53			63	57	53			61
7	73	62	54	49	72	61	54	49		60	53	48			58	52	48			57
8	69	57	50	45	68	57	50	45		55	49	44			54	48	44			53
9	65	53	46	41	64	53	46	41		52	45	41			51	45	41			50
10	61	50	43	38	60	49	42	38		48	42	38			47	42	38			47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	175688
5°	175583
10°	173883
15°	172078
20°	167215
25°	160152
30°	148637
35°	127883
40°	93353
45°	63960
50°	51418
55°	44816
60°	41367
65°	39330
70°	36721
75°	34334
80°	31159
85°	26606



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.5	5.9
10°-20°	851.5	16.5
20°-30°	1211.1	23.5
30°-40°	1166.0	22.6
40°-50°	670.9	13.0
50°-60°	425.1	8.3
60°-70°	300.9	5.8
70°-80°	171.5	3.3
80°-90°	48.9	0.9
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°	2365.1	45.9
0°-40°	3531.0	68.6
0°-60°	4627.0	89.9
0°-90°	5148.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5148.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3205	
5°	3191	302
15°	3032	852
25°	2648	1211
35°	1911	1166
45°	825	671
55°	469	425
65°	303	301
75°	162	172
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3204.8
2.5°	3190.7
5°	3190.7
7.5°	3169.5
10°	3123.7
12.5°	3077.9
15°	3032.0
17.5°	2961.5
20°	2866.3
22.5°	2760.5
25°	2647.7
27.5°	2510.2
30°	2348.1
32.5°	2150.7
35°	1910.9
37.5°	1618.3
40°	1304.5
42.5°	1029.5
45°	825.0
47.5°	694.6
50°	602.9
52.5°	528.9
55°	468.9
57.5°	416.0
60°	377.3
62.5°	342.0
65°	303.2
67.5°	267.9
70°	229.1
72.5°	194.0
75°	162.1
77.5°	130.4
80°	98.7
82.5°	70.5
85°	42.3
87.5°	17.6
90°	0.0



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— 0°-180°







(END OF REPORT)