

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: P583183

Luminaire Tested: **HC660D010-HM64560835-61WDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P583183
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-HM64560835-61WDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5809.2 lumens
Efficiency: N/A
Efficacy: 105.6 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

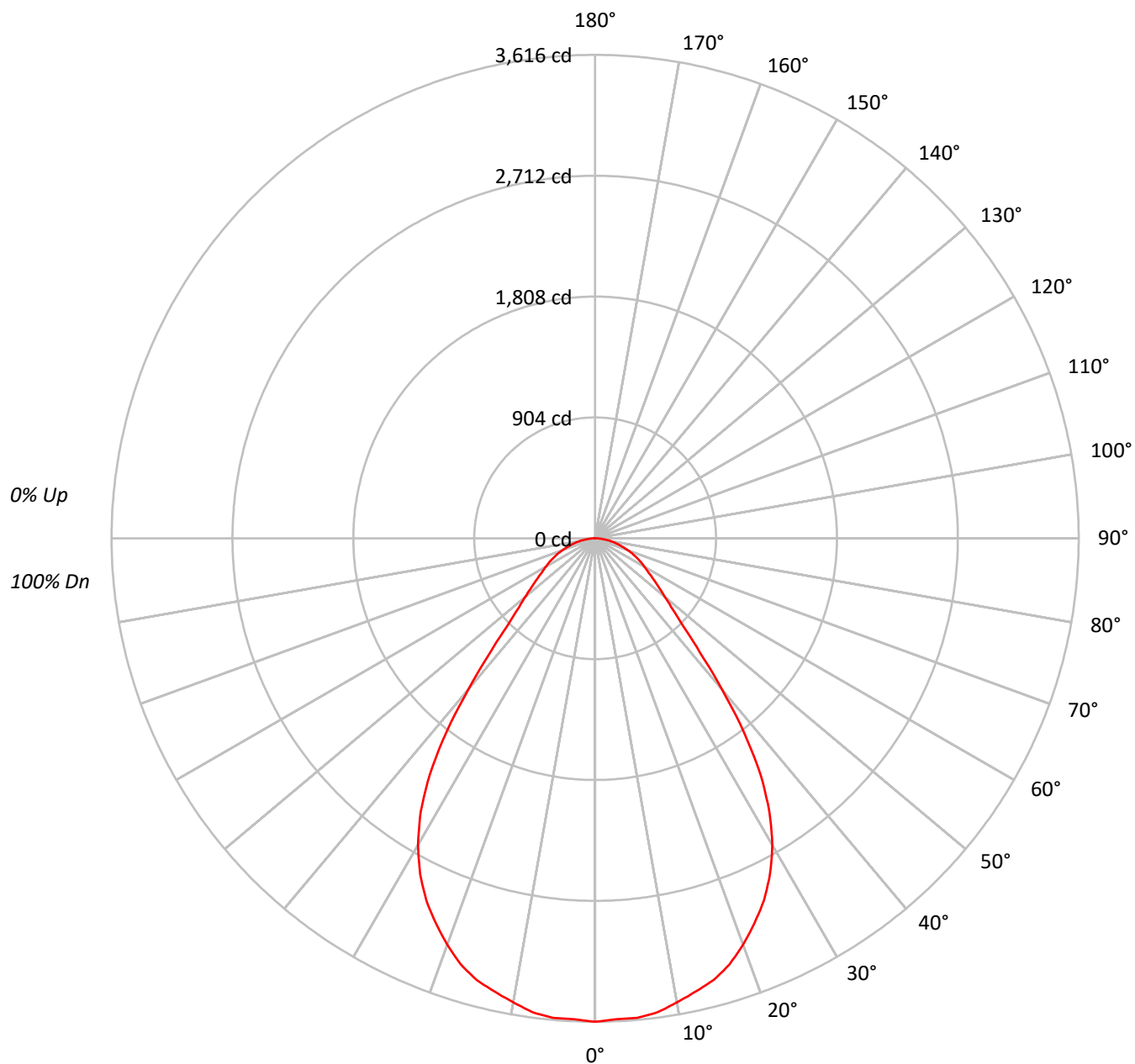
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	198241
5°	198128
10°	196205
15°	194178
20°	188690
25°	180712
30°	167716
35°	144300
40°	105340
45°	72170
50°	58019
55°	50569
60°	46663
65°	44376
70°	41449
75°	38761
80°	35137
85°	30003



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.3	5.9
10°-20°	960.9	16.5
20°-30°	1366.6	23.5
30°-40°	1315.7	22.6
40°-50°	757.0	13.0
50°-60°	479.6	8.3
60°-70°	339.5	5.8
70°-80°	193.5	3.3
80°-90°	55.2	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°	2668.7	45.9
0°-40°	3984.4	68.6
0°-60°	5221.0	89.9
0°-90°	5809.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5809.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3616	
5°	3600	341
15°	3421	961
25°	2988	1367
35°	2156	1316
45°	931	757
55°	529	480
65°	342	340
75°	183	194
85°	48	55
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3616.2
2.5°	3600.4
5°	3600.4
7.5°	3576.5
10°	3524.7
12.5°	3473.1
15°	3421.4
17.5°	3341.7
20°	3234.4
22.5°	3115.0
25°	2987.6
27.5°	2832.5
30°	2649.5
32.5°	2426.7
35°	2156.2
37.5°	1826.1
40°	1472.0
42.5°	1161.7
45°	930.9
47.5°	783.7
50°	680.3
52.5°	596.8
55°	529.1
57.5°	469.4
60°	425.6
62.5°	385.9
65°	342.1
67.5°	302.3
70°	258.6
72.5°	218.8
75°	183.0
77.5°	147.2
80°	111.3
82.5°	79.5
85°	47.7
87.5°	19.9
90°	0.0



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— 0°-180°







(END OF REPORT)