

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: P593016

Luminaire Tested: **HC607D010-HM60525850-61WDBB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P593016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC607D010-HM60525850-61WDBB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 874.9 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

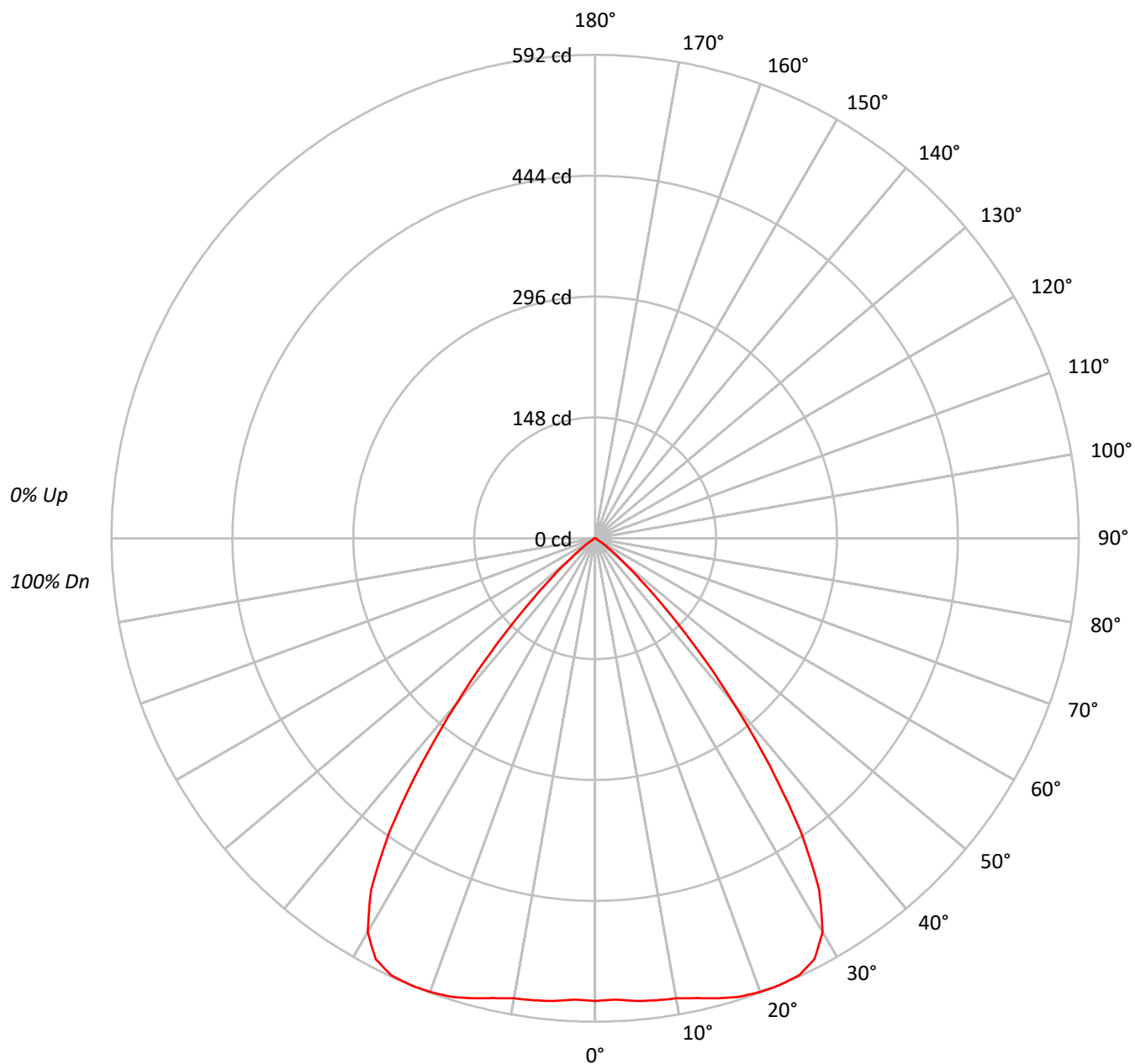
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		97
2	107	101	97	93	104	100	95	92	96	93	90		93	90	88		90
3	100	93	88	83	98	92	87	83	89	85	81		87	83	80		84
4	95	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	68	87	79	73	68	77	72	67		75	70	67		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	68	62	57	77	68	61	57	66	61	57		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	59	53	48	69	59	53	48	58	52	48		57	52	48		56
10	66	56	49	45	65	55	49	45	54	48	45		53	48	44		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	31067
5°	31301
10°	31846
15°	33105
20°	34490
25°	35724
30°	35246
35°	29366
40°	18835
45°	9404
50°	3727
55°	1271
60°	362
65°	259
70°	224
75°	297
80°	221
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	6.2
10°-20°	165.4	18.9
20°-30°	270.1	30.9
30°-40°	264.8	30.3
40°-50°	101.5	11.6
50°-60°	14.9	1.7
60°-70°	2.2	0.3
70°-80°	1.2	0.1
80°-90°	0.3	0.0
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°	490.0	56.0
0°-40°	754.8	86.3
0°-60°	871.2	99.6
0°-90°	874.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	874.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	567	
5°	569	54
15°	583	165
25°	591	270
35°	439	265
45°	121	102
55°	13	15
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	566.7
2.5°	565.4
5°	568.8
7.5°	570.7
10°	572.1
12.5°	576.7
15°	583.3
17.5°	588.6
20°	591.2
22.5°	591.9
25°	590.6
27.5°	581.3
30°	556.8
32.5°	510.4
35°	438.8
37.5°	350.7
40°	263.2
42.5°	187.6
45°	121.3
47.5°	74.2
50°	43.7
52.5°	25.2
55°	13.3
57.5°	6.0
60°	3.3
62.5°	2.6
65°	2.0
67.5°	2.0
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)