

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

Report Number: P553812

Luminaire Tested: **L80916WF927MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80916WF927MB
Description: WIDE FLOOD OPTIC
Light Source: 1600 LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

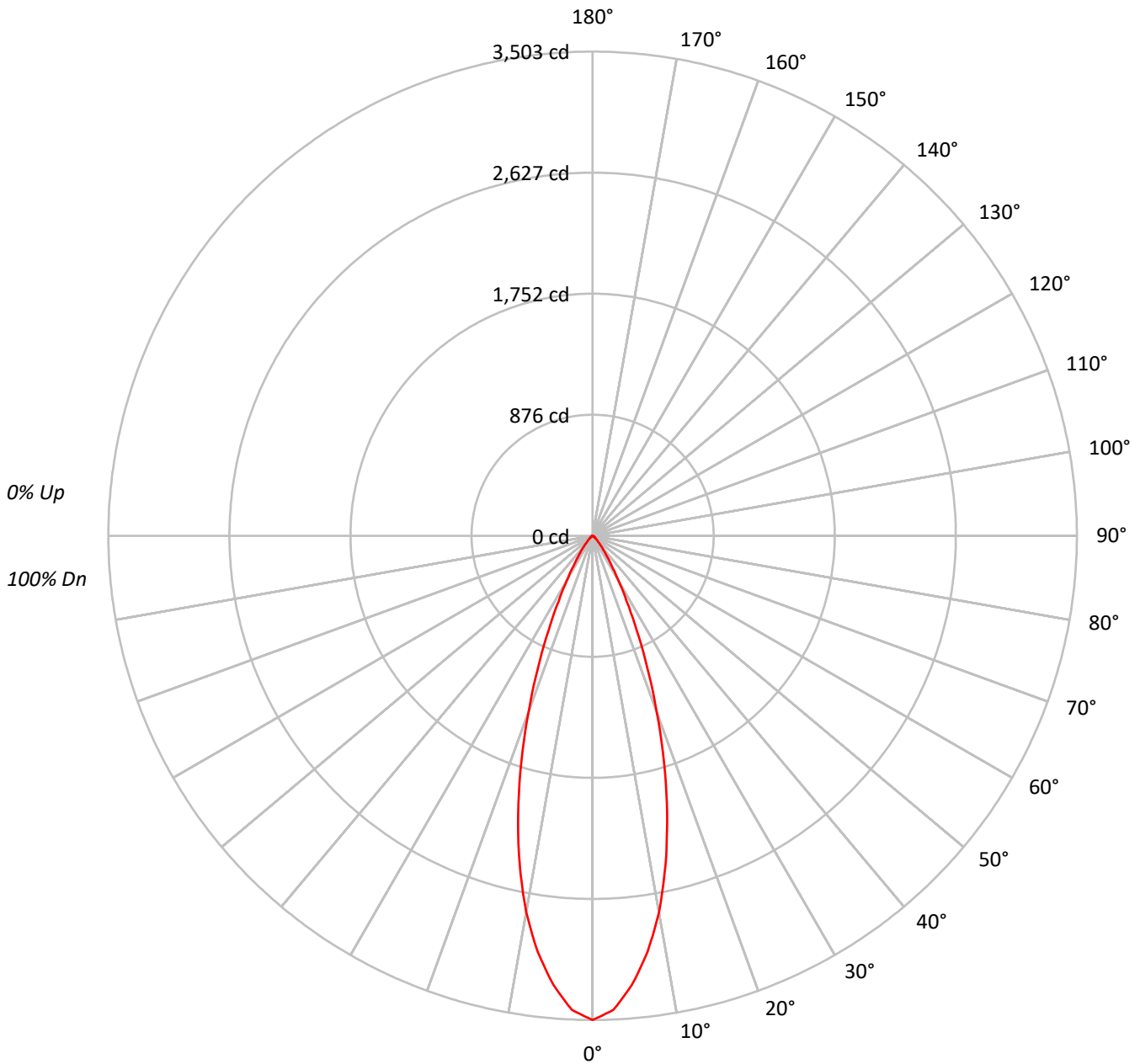
Lumens per Lamp: N/A
Luminaire Lumens: 1399.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.57
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			86
4	101	95	90	86	99	94	89	86	92	88	85	90	86	84	88	85	83	82			82
5	97	90	85	82	96	89	85	81	87	84	80	86	82	80	84	82	79	78			78
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74			74
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71			71
8	87	79	74	70	86	78	73	70	77	73	70	76	72	70	75	72	69	68			68
9	83	75	71	67	83	75	70	67	74	70	67	73	69	67	73	69	66	65			65
10	81	73	68	64	80	72	68	64	71	67	64	71	67	64	70	66	64	63			63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	768228
5°	717872
10°	615909
15°	472625
20°	316101
25°	182502
30°	93989
35°	47676
40°	25190
45°	13955
50°	8529
55°	6117
60°	4824
65°	4151
70°	1923
75°	847
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	21.1
10°-20°	567.2	40.5
20°-30°	354.5	25.3
30°-40°	120.7	8.6
40°-50°	37.6	2.7
50°-60°	14.9	1.1
60°-70°	7.4	0.5
70°-80°	0.9	0.1
80°-90°	0.0	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°	1217.5	87.0
0°-40°	1338.2	95.7
0°-60°	1390.7	99.4
0°-90°	1399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3503	
5°	3261	296
15°	2082	567
25°	754	355
35°	178	121
45°	45	38
55°	16	15
65°	8	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3503.4
2.5°	3434.4
5°	3261.3
7.5°	3038.2
10°	2766.1
12.5°	2438.0
15°	2081.9
17.5°	1713.7
20°	1354.6
22.5°	1031.4
25°	754.3
27.5°	531.2
30°	371.2
32.5°	257.1
35°	178.1
37.5°	125.1
40°	88.0
42.5°	63.0
45°	45.0
47.5°	33.0
50°	25.0
52.5°	20.0
55°	16.0
57.5°	13.0
60°	11.0
62.5°	9.0
65°	8.0
67.5°	6.0
70°	3.0
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)