

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: P553832

Luminaire Tested: **L80925WF927MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553832
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: L80925WF927MB
Description: WIDE FLOOD OPTIC
Light Source: 2500 LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

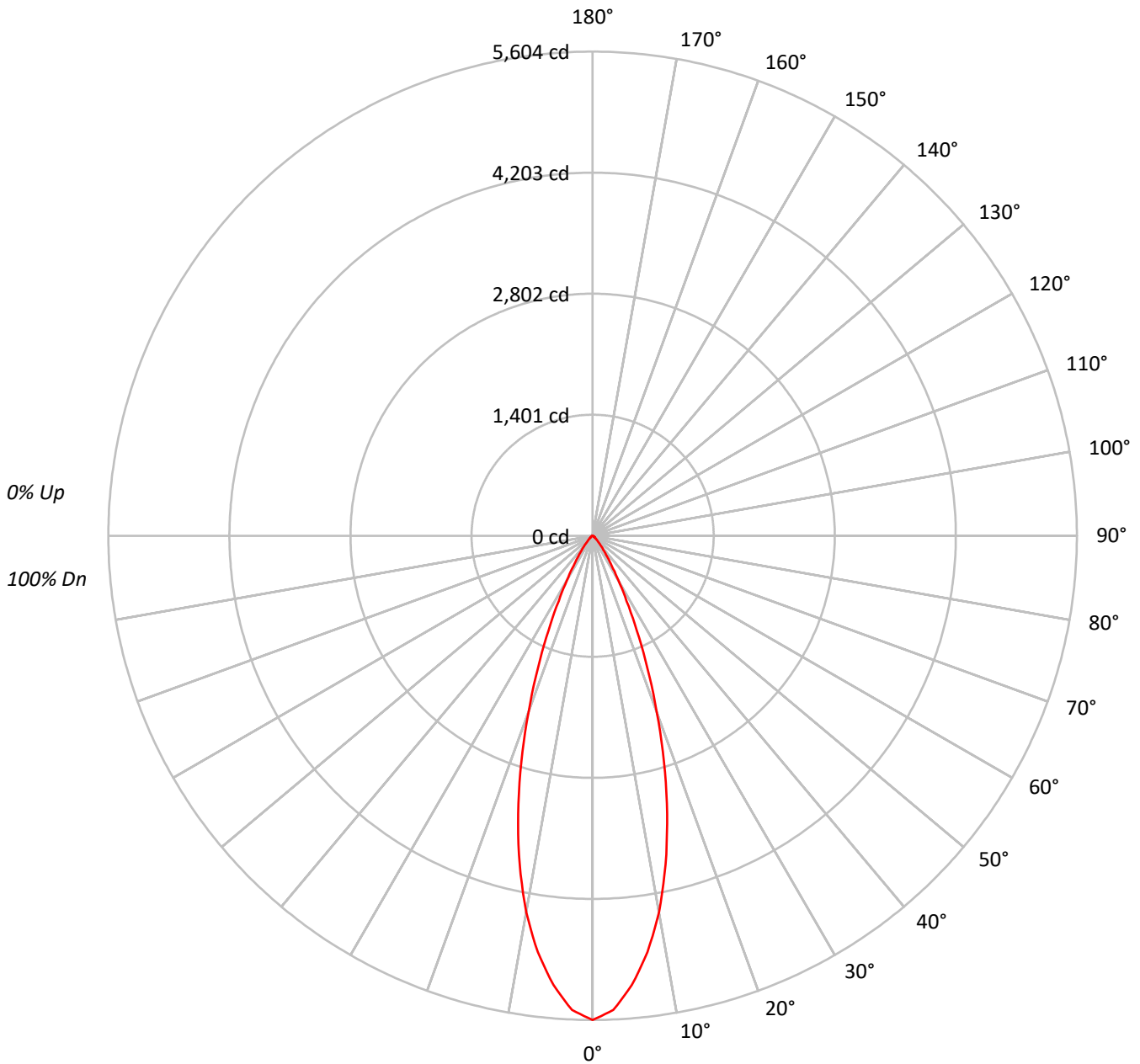
Lumens per Lamp: N/A
Luminaire Lumens: 2238.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.57
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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



TEST NUMBER: P553832
CATALOG NUMBER: L80925WF927MB

Luminous Intensity Polar Plot





TEST NUMBER: P553832

CATALOG NUMBER: L80925WF927MB

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			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			
4	101	95	90	86	99	94	89	86	92	88	85	90	86	84	88	85	83	82			
5	97	90	85	82	96	89	85	81	87	84	80	86	82	80	84	82	79	78			
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74			
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71			
8	87	79	74	70	86	78	73	70	77	73	70	76	72	70	75	72	69	68			
9	83	75	71	67	83	75	70	67	74	70	67	73	69	67	73	69	66	65			
10	81	73	68	64	80	72	68	64	71	67	64	71	67	64	70	66	64	63			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1228959
5°	1148401
10°	985286
15°	756054
20°	505654
25°	291960
30°	150327
35°	76266
40°	40304
45°	22328
50°	13646
55°	9787
60°	7719
65°	6641
70°	3077
75°	1356
80°	0
85°	0



TEST NUMBER: P553832

CATALOG NUMBER: L80925WF927MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.2	21.1
10°-20°	907.3	40.5
20°-30°	567.2	25.3
30°-40°	193.0	8.6
40°-50°	60.1	2.7
50°-60°	23.9	1.1
60°-70°	11.8	0.5
70°-80°	1.5	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°	1947.7	87.0
0°-40°	2140.7	95.7
0°-60°	2224.7	99.4
0°-90°	2238.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2238.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5604	
5°	5217	473
15°	3330	907
25°	1207	567
35°	285	193
45°	72	60
55°	26	24
65°	13	12
75°	2	1
85°	0	0
90°	0	



TEST NUMBER: P553832

CATALOG NUMBER: L80925WF927MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	5604.5
2.5°	5494.1
5°	5217.2
7.5°	4860.3
10°	4425.0
12.5°	3900.1
15°	3330.4
17.5°	2741.4
20°	2166.9
22.5°	1650.0
25°	1206.7
27.5°	849.8
30°	593.7
32.5°	411.3
35°	284.9
37.5°	200.0
40°	140.8
42.5°	100.8
45°	72.0
47.5°	52.8
50°	40.0
52.5°	32.0
55°	25.6
57.5°	20.8
60°	17.6
62.5°	14.4
65°	12.8
67.5°	9.6
70°	4.8
72.5°	1.6
75°	1.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







(END OF REPORT)