

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: P553835

Luminaire Tested: **L80925WF940MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553835
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: L80925WF940MB
Description: WIDE FLOOD OPTIC
Light Source: 2500 LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

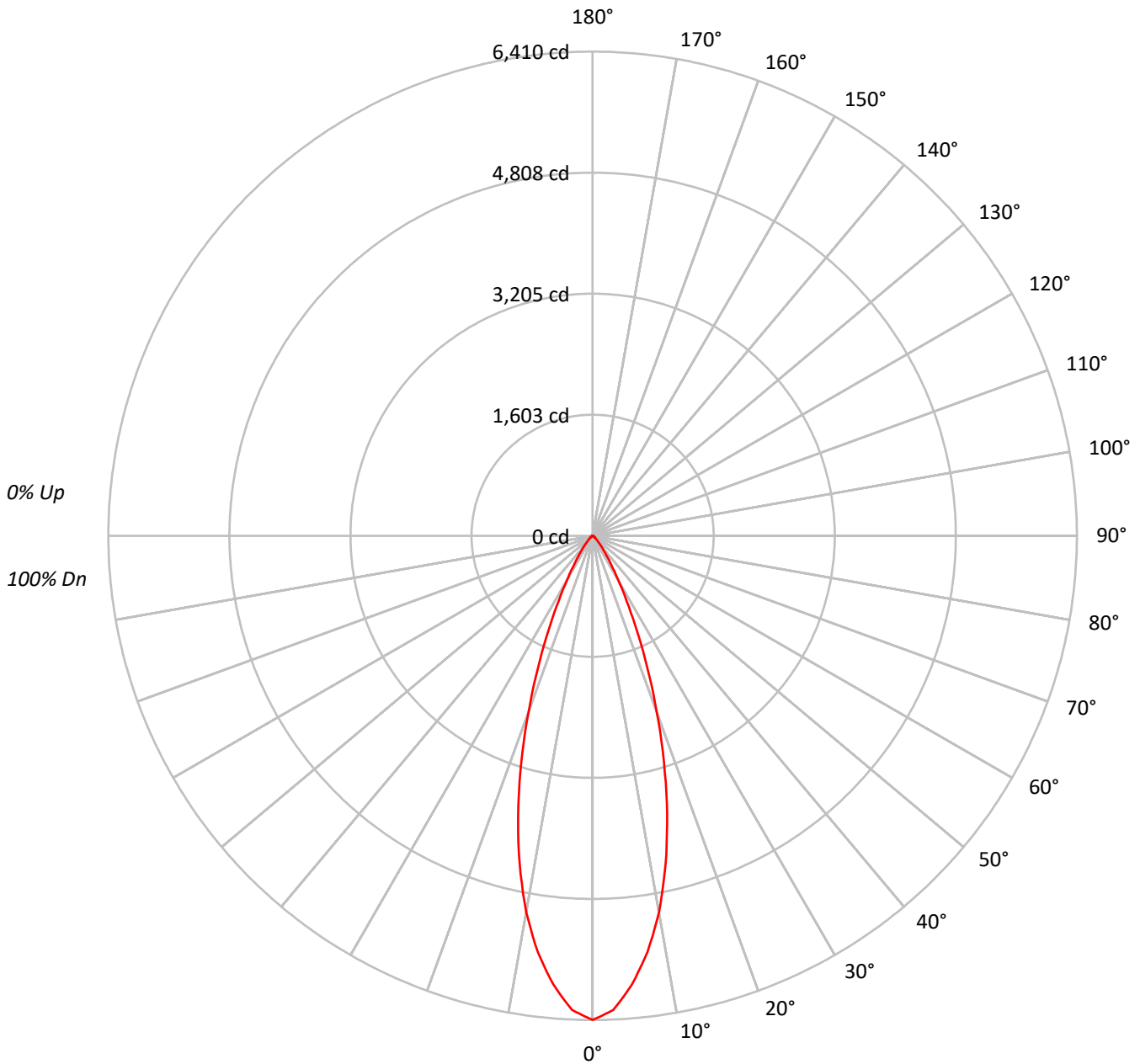
Lumens per Lamp: N/A
Luminaire Lumens: 2559.5 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.57
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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



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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			
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°	1405523
5°	1313402
10°	1126855
15°	864681
20°	578297
25°	333890
30°	171925
35°	87214
40°	46115
45°	25553
50°	15624
55°	11202
60°	8815
65°	7575
70°	3526
75°	1525
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.2	21.1
10°-20°	1037.7	40.5
20°-30°	648.6	25.3
30°-40°	220.8	8.6
40°-50°	68.8	2.7
50°-60°	27.3	1.1
60°-70°	13.5	0.5
70°-80°	1.7	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°	2227.5	87.0
0°-40°	2448.2	95.7
0°-60°	2544.3	99.4
0°-90°	2559.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2559.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6410	
5°	5967	541
15°	3809	1038
25°	1380	649
35°	326	221
45°	82	69
55°	29	27
65°	15	14
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6409.7
2.5°	6283.4
5°	5966.8
7.5°	5558.6
10°	5060.8
12.5°	4460.4
15°	3808.9
17.5°	3135.3
20°	2478.2
22.5°	1887.0
25°	1380.0
27.5°	971.9
30°	679.0
32.5°	470.4
35°	325.8
37.5°	228.8
40°	161.1
42.5°	115.3
45°	82.4
47.5°	60.4
50°	45.8
52.5°	36.6
55°	29.3
57.5°	23.8
60°	20.1
62.5°	16.5
65°	14.6
67.5°	11.0
70°	5.5
72.5°	1.8
75°	1.8
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)