

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: P553823

Luminaire Tested: **L80925FL940MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80925FL940MB
Description: FLOOD OPTIC
Light Source: 2500 LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

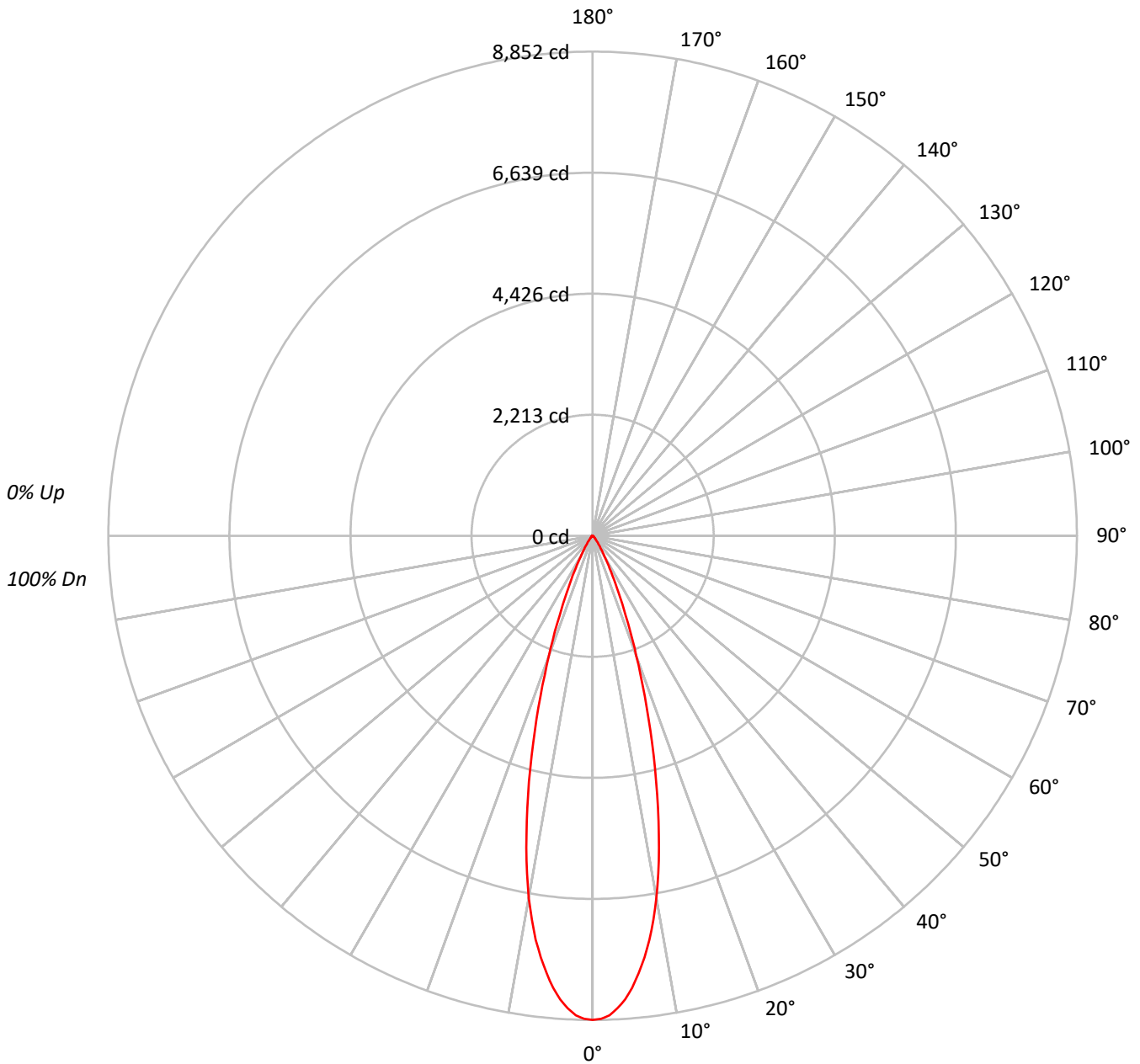
Lumens per Lamp: N/A
Luminaire Lumens: 2651.0 lumens
Efficiency: N/A
Efficacy: 120.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.49
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			
2	111	107	103	101	108	105	102	100	102	100	97	99	97	95	96	95	93	92			
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88			
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79			
7	93	86	82	78	92	85	81	78	84	81	78	83	80	77	82	79	77	76			
8	90	83	79	75	89	83	78	75	82	78	75	81	77	75	80	77	74	73			
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71			
10	85	78	73	70	84	77	73	70	77	73	70	76	72	70	75	72	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1941007
5°	1826828
10°	1496031
15°	999960
20°	544671
25°	252281
30°	109308
35°	49951
40°	25133
45°	14761
50°	9995
55°	7684
60°	7236
65°	6641
70°	3526
75°	1525
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.3	28.0
10°-20°	1192.7	45.0
20°-30°	515.3	19.4
30°-40°	129.8	4.9
40°-50°	39.1	1.5
50°-60°	19.0	0.7
60°-70°	12.2	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°	2449.3	92.4
0°-40°	2579.1	97.3
0°-60°	2637.2	99.5
0°-90°	2651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2651.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8852	
5°	8299	741
15°	4405	1193
25°	1043	515
35°	187	130
45°	48	39
55°	20	19
65°	13	12
75°	2	2
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8851.7
1°	8835.3
2°	8771.2
3°	8652.3
4°	8498.7
5°	8299.3
6°	8043.2
7°	7767.0
8°	7463.3
9°	7106.6
10°	6718.8
11°	6292.6
12°	5831.6
13°	5354.2
14°	4878.6
15°	4404.8
16°	3936.5
17°	3503.0
18°	3082.3
19°	2689.0
20°	2334.1
22.5°	1578.6
25°	1042.7
27.5°	667.7
30°	431.7
32.5°	279.9
35°	186.6
37.5°	126.2
40°	87.8
42.5°	62.2
45°	47.6
47.5°	36.6
50°	29.3
52.5°	23.8
55°	20.1
57.5°	18.3
60°	16.5
62.5°	14.6
65°	12.8
67.5°	11.0
70°	5.5
72.5°	1.8
75°	1.8



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0
107.5°	0.0
110°	0.0
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



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— 0°-180°







77.5°		0.0
80°		0.0



(END OF REPORT)