

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: P553839

Luminaire Tested: **L80925WS940MB**

Issue Date: 7/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P553839  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80925WS940MB  
Description: WIDE SPOT OPTIC  
Light Source: 2500 LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2834.0 lumens  
Efficiency: N/A  
Efficacy: 128.8 lumens/watt  
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.3  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

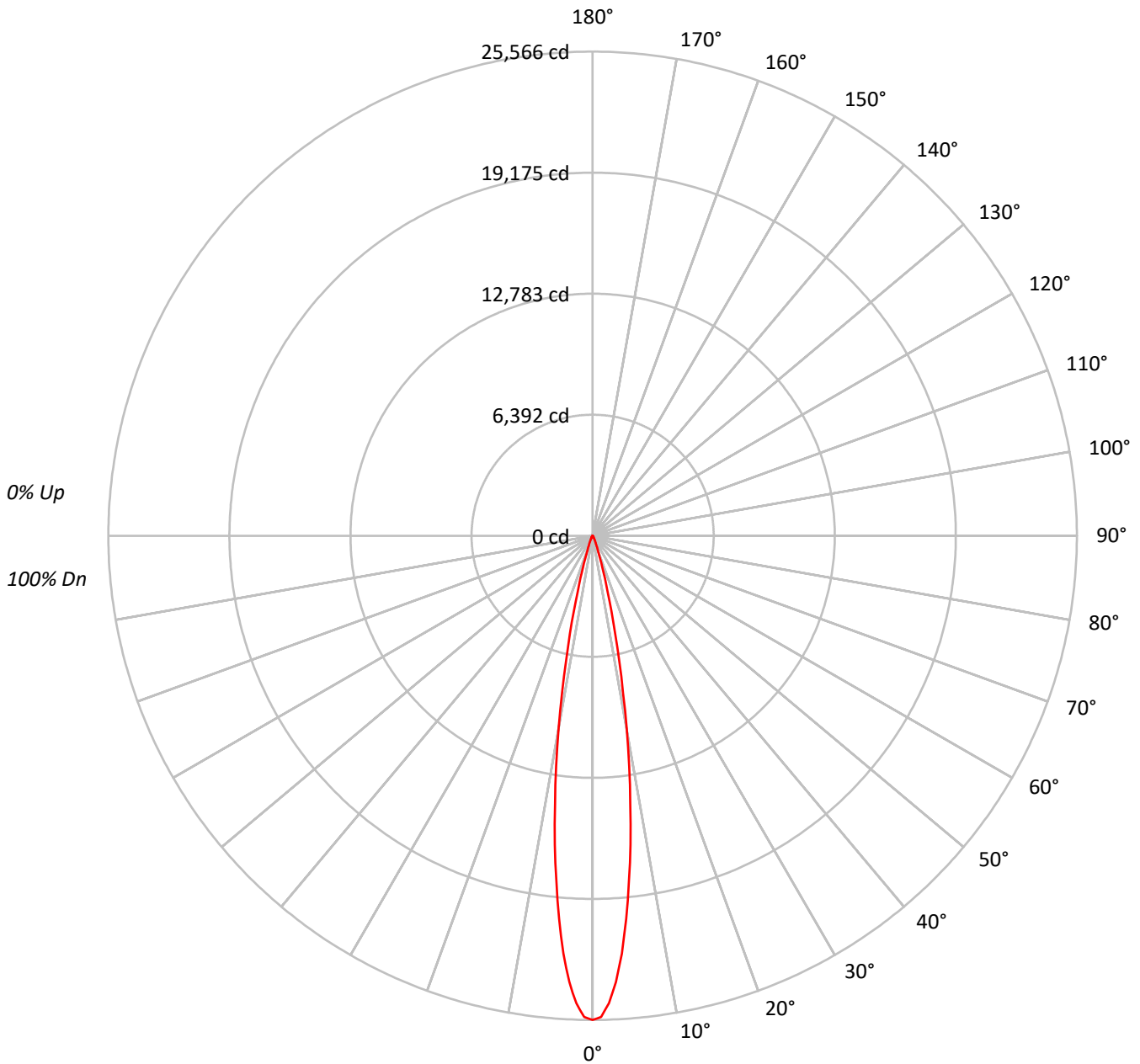
Input Watts (W): 22  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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CATALOG NUMBER: L80925WS940MB

### 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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98			
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96			
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94			
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92			
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90			
6	102	97	94	91	101	97	93	91	95	93	91	94	92	90	93	91	89	89			
7	100	95	92	89	99	95	91	89	94	91	89	93	90	88	92	90	88	87			
8	99	93	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	86			
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	84			
10	95	90	87	84	94	89	86	84	89	86	84	88	86	84	88	85	84	83			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	5606064
5°	4470140
10°	2304322
15°	694624
20°	181502
25°	68181
30°	35221
35°	19595
40°	12566
45°	9086
50°	6857
55°	5582
60°	4824
65°	4774
70°	3526
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1606.6	56.7
10°-20°	979.6	34.6
20°-30°	151.7	5.4
30°-40°	49.5	1.7
40°-50°	23.0	0.8
50°-60°	13.7	0.5
60°-70°	8.9	0.3
70°-80°	1.2	0.0
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°	2737.9	96.6
0°-40°	2787.3	98.4
0°-60°	2823.9	99.6
0°-90°	2834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	25566	
5°	20308	###
15°	3060	980
25°	282	152
35°	73	49
45°	29	23
55°	15	14
65°	9	9
75°	0	1
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°	25565.7
1°	25408.3
2°	24700.0
3°	23587.4
4°	22116.0
5°	20307.9
6°	18355.3
7°	16424.6
8°	14287.1
9°	12297.9
10°	10348.9
11°	8431.0
12°	6732.7
13°	5305.3
14°	4071.8
15°	3059.8
16°	2329.6
17°	1731.2
18°	1321.3
19°	999.2
20°	777.8
22.5°	442.9
25°	281.8
27.5°	195.8
30°	139.1
32.5°	100.7
35°	73.2
37.5°	56.7
40°	43.9
42.5°	34.8
45°	29.3
47.5°	23.8
50°	20.1
52.5°	18.3
55°	14.6
57.5°	12.8
60°	11.0
62.5°	9.2
65°	9.2
67.5°	9.2
70°	5.5
72.5°	1.8
75°	0.0



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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)