

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: P553838

Luminaire Tested: **L80925WS935MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553838
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: L80925WS935MB
Description: WIDE SPOT OPTIC
Light Source: 2500 LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2761.3 lumens
Efficiency: N/A
Efficacy: 125.5 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

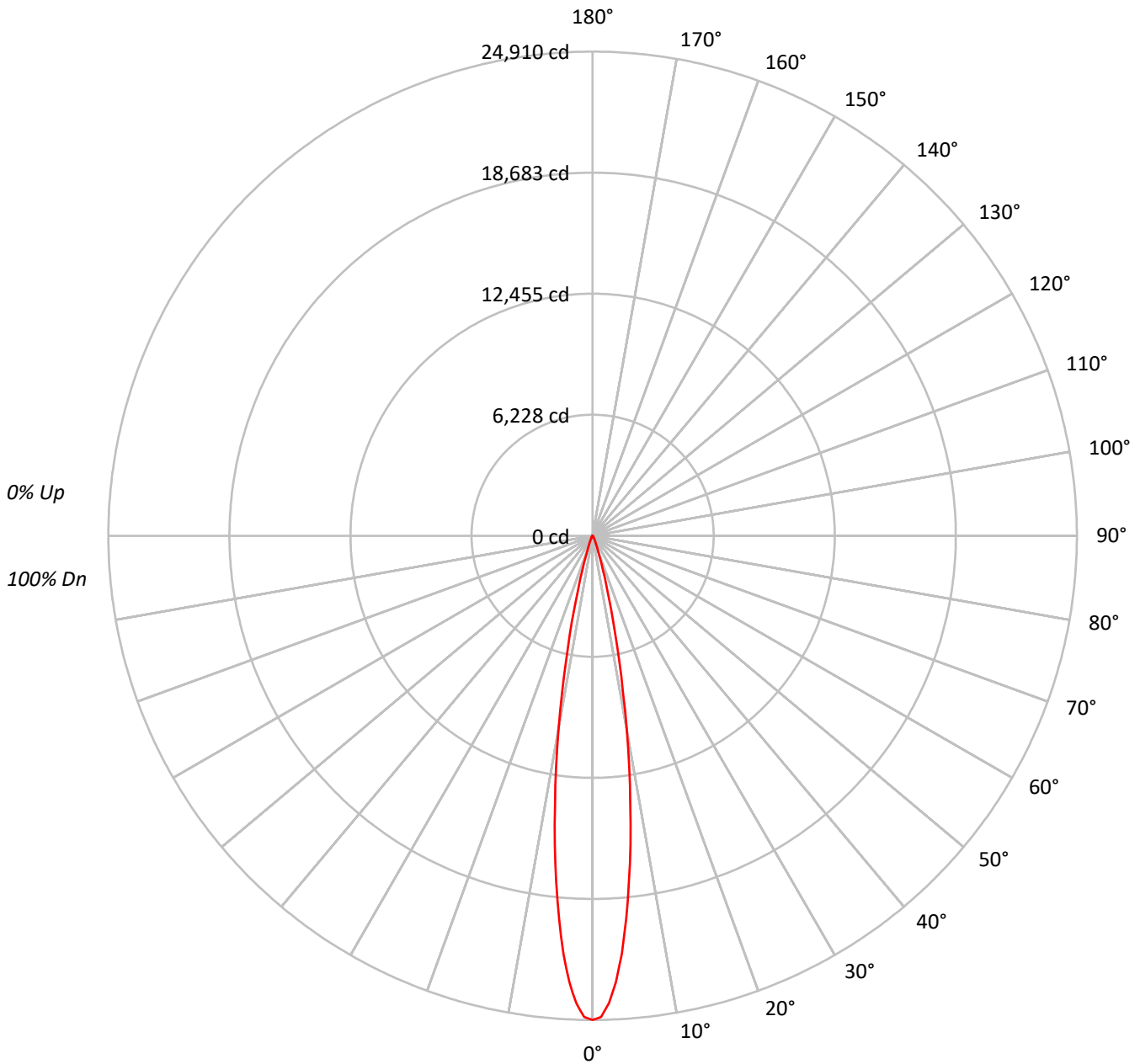
Input Watts (W): 22
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	99	98	98																
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	99	98	97																
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	98	96	95																
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	96	94	93																
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	95	93	91																
6	102	97	94	91	101	97	93	91	95	93	91	94	92	90	93	91	89	89	93	91	89																
7	100	95	92	89	99	95	91	89	94	91	89	93	90	88	92	90	88	87	92	90	88																
8	99	93	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	86	90	88	86																
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	84	89	87	85																
10	95	90	87	84	94	89	86	84	89	86	84	88	86	84	88	85	84	83	88	85	84																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	5462391
5°	4355613
10°	2245271
15°	676826
20°	176835
25°	66439
30°	34309
35°	19086
40°	12252
45°	8838
50°	6686
55°	5467
60°	4693
65°	4618
70°	3398
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1565.4	56.7
10°-20°	954.5	34.6
20°-30°	147.8	5.4
30°-40°	48.2	1.7
40°-50°	22.4	0.8
50°-60°	13.3	0.5
60°-70°	8.6	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°	2667.7	96.6
0°-40°	2715.9	98.4
0°-60°	2751.6	99.6
0°-90°	2761.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2761.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24910	
5°	19788	###
15°	2981	955
25°	275	148
35°	71	48
45°	28	22
55°	14	13
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°	24910.5
1°	24757.2
2°	24067.1
3°	22983.0
4°	21549.3
5°	19787.6
6°	17884.9
7°	16003.7
8°	13921.0
9°	11982.7
10°	10083.7
11°	8214.9
12°	6560.2
13°	5169.3
14°	3967.5
15°	2981.4
16°	2269.9
17°	1686.9
18°	1287.4
19°	973.6
20°	757.8
22.5°	431.5
25°	274.6
27.5°	190.8
30°	135.5
32.5°	98.1
35°	71.3
37.5°	55.3
40°	42.8
42.5°	33.9
45°	28.5
47.5°	23.2
50°	19.6
52.5°	17.8
55°	14.3
57.5°	12.5
60°	10.7
62.5°	8.9
65°	8.9
67.5°	8.9
70°	5.3
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)