

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: P553837

Luminaire Tested: **L80925WS930MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553837
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: L80925WS930MB
Description: WIDE SPOT OPTIC
Light Source: 2500 LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

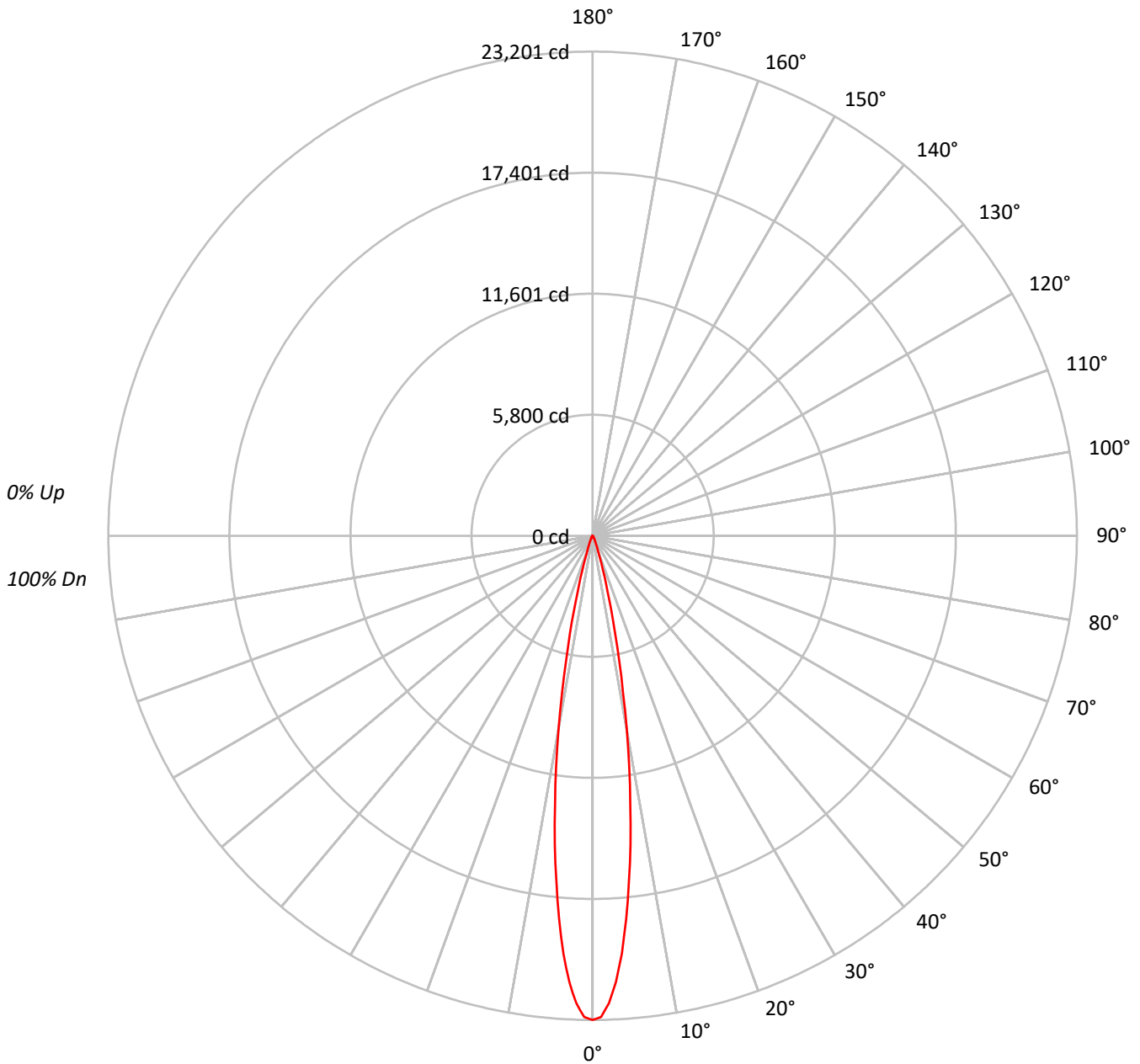
Lumens per Lamp: N/A
Luminaire Lumens: 2571.9 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.3
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				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°	5087487
5°	4056670
10°	2091166
15°	630378
20°	164701
25°	61891
30°	31954
35°	17775
40°	11421
45°	8249
50°	6243
55°	5085
60°	4386
65°	4307
70°	3206
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1457.9	56.7
10°-20°	889.0	34.6
20°-30°	137.7	5.4
30°-40°	44.9	1.7
40°-50°	20.9	0.8
50°-60°	12.4	0.5
60°-70°	8.0	0.3
70°-80°	1.1	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°	2484.6	96.6
0°-40°	2529.5	98.4
0°-60°	2562.8	99.6
0°-90°	2571.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2571.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23201	
5°	18430	###
15°	2777	889
25°	256	138
35°	66	45
45°	27	21
55°	13	12
65°	8	8
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°	23200.8
1°	23058.0
2°	22415.3
3°	21405.5
4°	20070.3
5°	18429.5
6°	16657.4
7°	14905.3
8°	12965.6
9°	11160.3
10°	9391.6
11°	7651.1
12°	6109.9
13°	4814.5
14°	3695.2
15°	2776.8
16°	2114.1
17°	1571.1
18°	1199.1
19°	906.8
20°	705.8
22.5°	401.9
25°	255.8
27.5°	177.7
30°	126.2
32.5°	91.3
35°	66.4
37.5°	51.5
40°	39.9
42.5°	31.6
45°	26.6
47.5°	21.6
50°	18.3
52.5°	16.6
55°	13.3
57.5°	11.6
60°	10.0
62.5°	8.3
65°	8.3
67.5°	8.3
70°	5.0
72.5°	1.7
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)