

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: P553828

Luminaire Tested: **L80925SP927MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80925SP927MB
Description: SPOT OPTIC
Light Source: 2500 LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

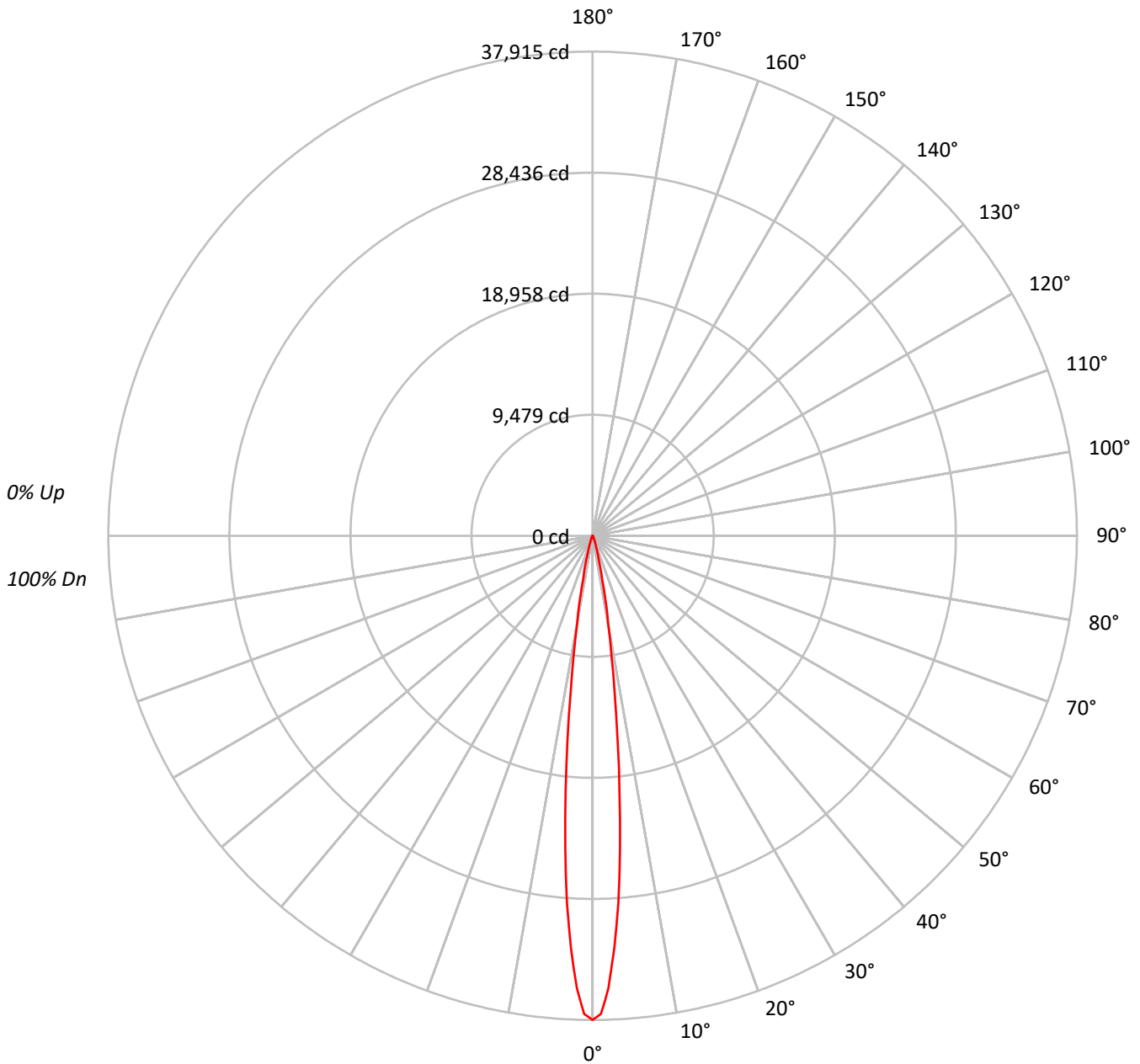
Lumens per Lamp: N/A
Luminaire Lumens: 2514.7 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.22
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	100	100	100
1	116	114	113	111	114	112	111	109	108	107	106	104	104	103	101	101	100	98	98	98	98
2	113	110	108	106	111	108	106	104	105	104	102	103	101	100	100	99	98	97	97	97	97
3	110	107	104	102	109	106	103	101	103	101	99	101	99	98	99	98	96	95	95	95	95
4	108	104	101	99	107	103	100	98	101	99	97	99	97	96	98	96	95	94	94	94	94
5	106	102	98	96	105	101	98	96	99	97	95	98	96	94	97	95	94	93	93	93	93
6	104	100	96	94	103	99	96	94	98	95	93	97	94	93	96	94	92	91	91	91	91
7	103	98	95	93	102	97	94	92	96	94	92	95	93	92	94	93	91	90	90	90	90
8	101	96	93	91	100	96	93	91	95	92	91	94	92	90	93	91	90	89	89	89	89
9	100	95	92	90	99	94	92	90	94	91	89	93	91	89	92	90	89	88	88	88	88
10	98	93	91	89	98	93	90	89	93	90	88	92	90	88	92	90	88	87	87	87	87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	8314049
5°	5410640
10°	1556195
15°	378935
20°	122114
25°	51898
30°	25928
35°	14991
40°	9618
45°	6946
50°	4912
55°	4282
60°	4210
65°	4151
70°	3077
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1726.8	68.7
10°-20°	604.5	24.0
20°-30°	110.1	4.4
30°-40°	37.0	1.5
40°-50°	17.5	0.7
50°-60°	10.6	0.4
60°-70°	7.3	0.3
70°-80°	1.0	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°	2441.4	97.1
0°-40°	2478.4	98.6
0°-60°	2506.4	99.7
0°-90°	2514.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2514.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	37915	
5°	24581	###
15°	1669	604
25°	214	110
35°	56	37
45°	22	17
55°	11	11
65°	8	7
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°	37915.1
1°	37463.8
2°	35445.7
3°	32328.1
4°	28781.6
5°	24580.6
6°	20198.7
7°	16104.8
8°	12364.7
9°	9445.6
10°	6989.0
12.5°	3389.6
15°	1669.2
17.5°	910.6
20°	523.3
22.5°	324.9
25°	214.5
27.5°	145.6
30°	102.4
32.5°	75.2
35°	56.0
37.5°	41.6
40°	33.6
42.5°	27.2
45°	22.4
47.5°	17.6
50°	14.4
52.5°	12.8
55°	11.2
57.5°	11.2
60°	9.6
62.5°	8.0
65°	8.0
67.5°	6.4
70°	4.8
72.5°	1.6
75°	0.0
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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CANDELA DISTRIBUTION (continued):

	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°







92.5°		0.0
95°		0.0



(END OF REPORT)