

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: P553827

Luminaire Tested: **L80925NF940MB**

Issue Date: 7/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P553827  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-3)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80925NF940MB  
Description: NARROW FLOOD OPTIC  
Light Source: 2500 LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

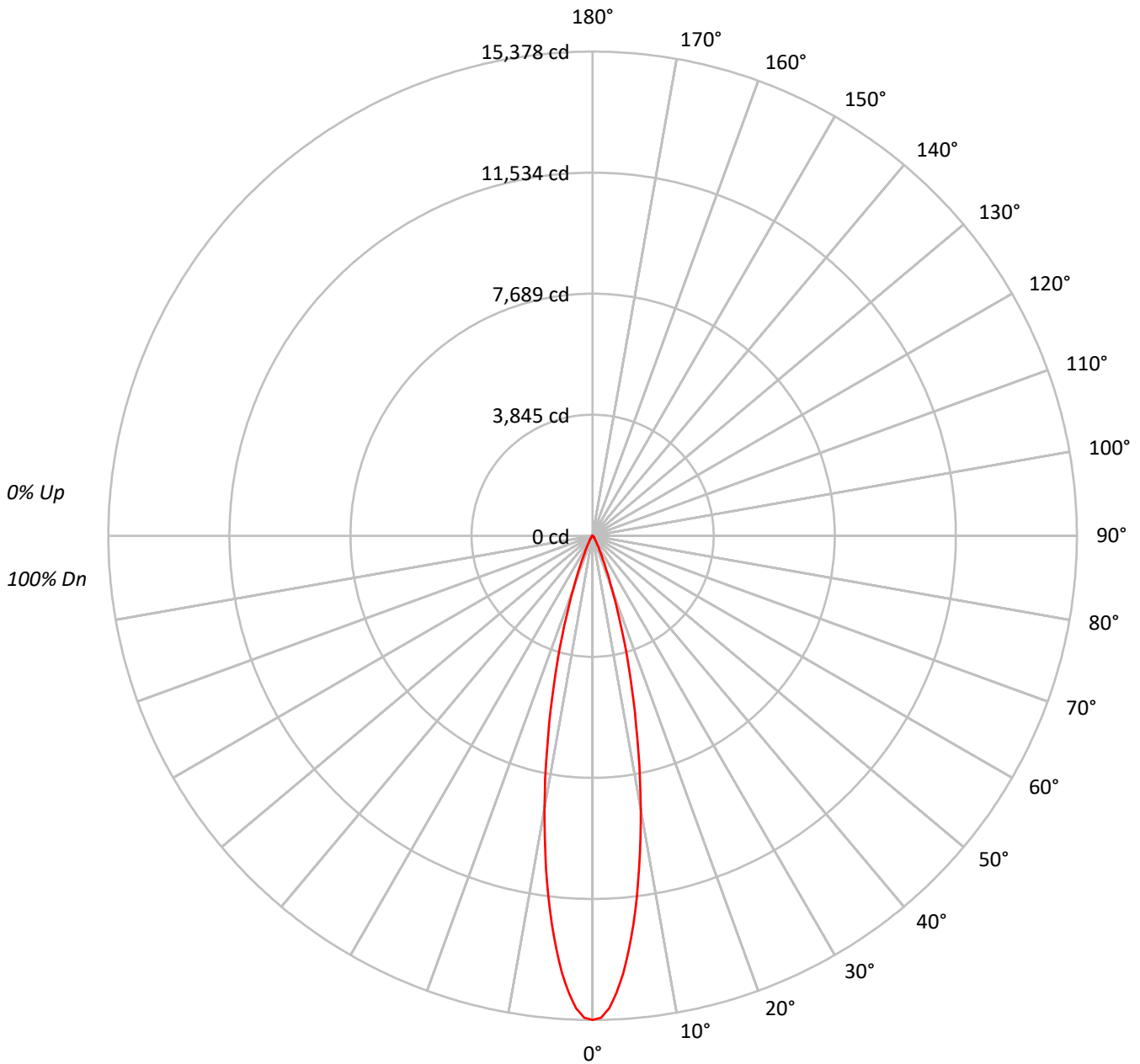
Lumens per Lamp: N/A  
Luminaire Lumens: 2832.1 lumens  
Efficiency: N/A  
Efficacy: 128.7 lumens/watt  
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.39  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	103	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94
3	108	104	100	97	106	102	99	96	100	97	95	97	95	94	95	94	92	91	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83	83
7	97	90	86	84	96	90	86	83	89	85	83	88	85	83	87	84	82	81	81	81	81
8	94	88	84	81	93	87	84	81	86	83	81	86	83	80	85	82	80	79	79	79	79
9	92	85	82	79	91	85	81	79	84	81	79	84	81	78	83	80	78	77	77	77	77
10	90	83	80	77	89	83	79	77	82	79	77	82	79	77	81	78	76	75	75	75	75

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

	0°
0°	3372142
5°	2902590
10°	1961776
15°	1037441
20°	411962
25°	140306
30°	57908
35°	30356
40°	17805
45°	11350
50°	8733
55°	7684
60°	6403
65°	5707
70°	3526
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1114.9	39.4
10°-20°	1259.8	44.5
20°-30°	321.0	11.3
30°-40°	76.6	2.7
40°-50°	30.1	1.1
50°-60°	18.0	0.6
60°-70°	10.6	0.4
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°	2695.7	95.2
0°-40°	2772.3	97.9
0°-60°	2820.4	99.6
0°-90°	2832.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2832.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15378	
5°	13186	###
15°	4570	1260
25°	580	321
35°	113	77
45°	37	30
55°	20	18
65°	11	11
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°	15378.2
1°	15306.8
2°	15015.9
3°	14529.3
4°	13929.3
5°	13186.5
6°	12398.0
7°	11530.9
8°	10636.3
9°	9708.8
10°	8810.5
11°	7892.1
12°	6984.8
13°	6124.9
14°	5321.8
15°	4569.9
16°	3922.3
17°	3271.0
18°	2705.7
19°	2186.2
20°	1765.4
22.5°	1011.7
25°	579.9
27.5°	354.9
30°	228.7
32.5°	159.2
35°	113.4
37.5°	82.3
40°	62.2
42.5°	47.6
45°	36.6
47.5°	29.3
50°	25.6
52.5°	22.0
55°	20.1
57.5°	18.3
60°	14.6
62.5°	12.8
65°	11.0
67.5°	9.1
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)