

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: P553820

Luminaire Tested: **L80925FL927MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80925FL927MB
Description: FLOOD OPTIC
Light Source: 2500 LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

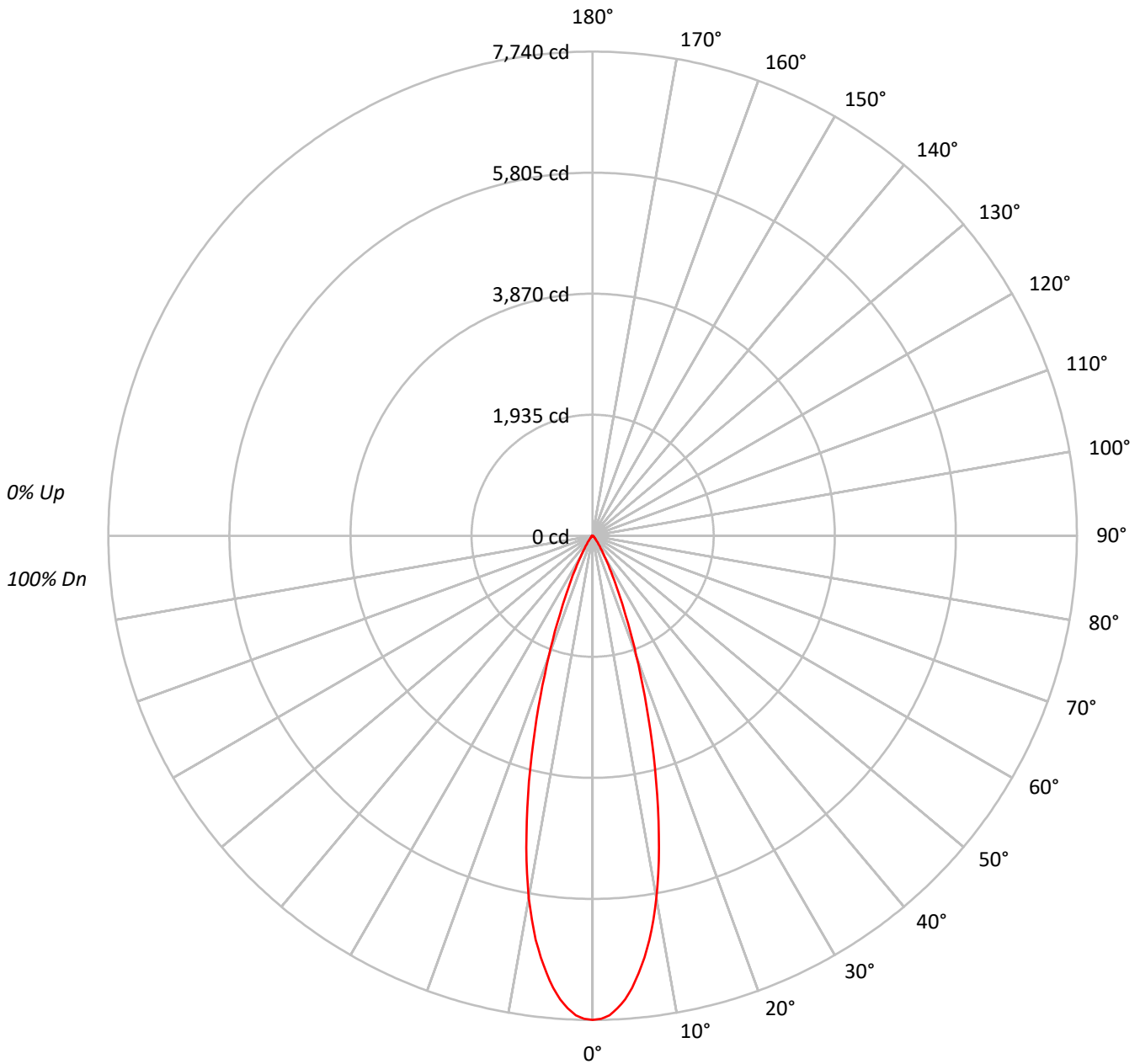
Lumens per Lamp: N/A
Luminaire Lumens: 2318.0 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.49
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P553820
CATALOG NUMBER: L80925FL927MB

Luminous Intensity Polar Plot





TEST NUMBER: P553820

CATALOG NUMBER: L80925FL927MB

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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			
2	111	107	103	101	108	105	102	100	102	100	97	99	97	95	96	95	93	92			
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88			
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85			
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82			
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	79			
7	93	86	82	78	92	85	81	78	84	81	78	83	80	77	82	79	77	76			
8	90	83	79	75	89	83	78	75	82	78	75	81	77	75	80	77	74	73			
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71			
10	85	78	73	70	84	77	73	70	77	73	70	76	72	70	75	72	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1697167
5°	1597332
10°	1308103
15°	874352
20°	476251
25°	220585
30°	95584
35°	43661
40°	21984
45°	12901
50°	8733
55°	6729
60°	6315
65°	5811
70°	3077
75°	1356
80°	0
85°	0



TEST NUMBER: P553820
 CATALOG NUMBER: L80925FL927MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.2	28.0
10°-20°	1042.9	45.0
20°-30°	450.5	19.4
30°-40°	113.5	4.9
40°-50°	34.2	1.5
50°-60°	16.6	0.7
60°-70°	10.7	0.5
70°-80°	1.5	0.1
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°	2141.6	92.4
0°-40°	2255.1	97.3
0°-60°	2305.9	99.5
0°-90°	2318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2318.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7740	
5°	7257	648
15°	3852	1043
25°	912	451
35°	163	114
45°	42	34
55°	18	17
65°	11	11
75°	2	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	



TEST NUMBER: P553820

CATALOG NUMBER: L80925FL927MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	7739.7
1°	7725.3
2°	7669.4
3°	7565.4
4°	7431.0
5°	7256.7
6°	7032.8
7°	6791.3
8°	6525.7
9°	6213.9
10°	5874.8
11°	5502.1
12°	5099.0
13°	4681.6
14°	4265.7
15°	3851.5
16°	3442.0
17°	3062.9
18°	2695.1
19°	2351.2
20°	2040.9
22.5°	1380.3
25°	911.7
27.5°	583.8
30°	377.5
32.5°	244.7
35°	163.1
37.5°	110.4
40°	76.8
42.5°	54.4
45°	41.6
47.5°	32.0
50°	25.6
52.5°	20.8
55°	17.6
57.5°	16.0
60°	14.4
62.5°	12.8
65°	11.2
67.5°	9.6
70°	4.8
72.5°	1.6
75°	1.6



TEST NUMBER: P553820

CATALOG NUMBER: L80925FL927MB

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



Report Generated By 670245859 / DESKTOP-HRDQ47P





— 0°-180°







77.5°		0.0
80°		0.0



(END OF REPORT)