

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: P553800

Luminaire Tested: **L80916FL927MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553800
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: L80916FL927MB
Description: FLOOD OPTIC
Light Source: 1600 LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

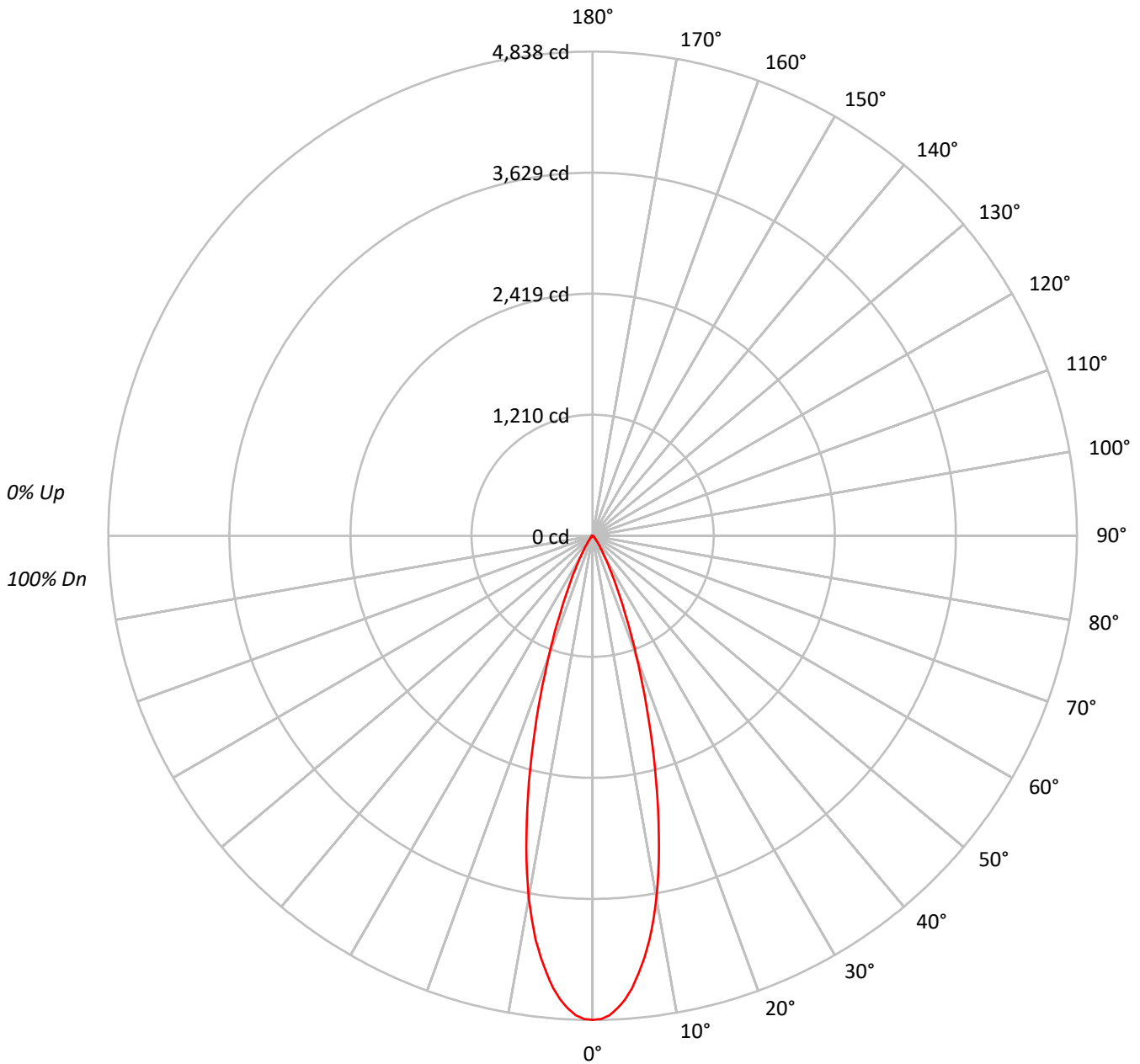
Lumens per Lamp: N/A
Luminaire Lumens: 1449.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.49
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14
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: P553800
CATALOG NUMBER: L80916FL927MB

Luminous Intensity Polar Plot





TEST NUMBER: P553800

CATALOG NUMBER: L80916FL927MB

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°	1060924
5°	998501
10°	817709
15°	546564
20°	297713
25°	137887
30°	59756
35°	27305
40°	13740
45°	8063
50°	5458
55°	4205
60°	3947
65°	3632
70°	1923
75°	847
80°	0
85°	0



TEST NUMBER: P553800
 CATALOG NUMBER: L80916FL927MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.2	28.0
10°-20°	651.9	45.0
20°-30°	281.6	19.4
30°-40°	71.0	4.9
40°-50°	21.4	1.5
50°-60°	10.4	0.7
60°-70°	6.7	0.5
70°-80°	0.9	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°	1338.7	92.4
0°-40°	1409.7	97.3
0°-60°	1441.4	99.5
0°-90°	1449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4838	
5°	4536	405
15°	2408	652
25°	570	282
35°	102	71
45°	26	21
55°	11	10
65°	7	7
75°	1	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: P553800

CATALOG NUMBER: L80916FL927MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	4838.2
1°	4829.2
2°	4794.2
3°	4729.2
4°	4645.2
5°	4536.2
6°	4396.3
7°	4245.3
8°	4079.3
9°	3884.4
10°	3672.4
11°	3439.4
12°	3187.5
13°	2926.5
14°	2666.6
15°	2407.6
16°	2151.6
17°	1914.7
18°	1684.7
19°	1469.8
20°	1275.8
22.5°	862.9
25°	569.9
27.5°	364.9
30°	236.0
32.5°	153.0
35°	102.0
37.5°	69.0
40°	48.0
42.5°	34.0
45°	26.0
47.5°	20.0
50°	16.0
52.5°	13.0
55°	11.0
57.5°	10.0
60°	9.0
62.5°	8.0
65°	7.0
67.5°	6.0
70°	3.0
72.5°	1.0
75°	1.0



TEST NUMBER: P553800

CATALOG NUMBER: L80916FL927MB

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)