

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: P553801

Luminaire Tested: **L80916FL930MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553801
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: L80916FL930MB
Description: FLOOD OPTIC
Light Source: 1600 LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

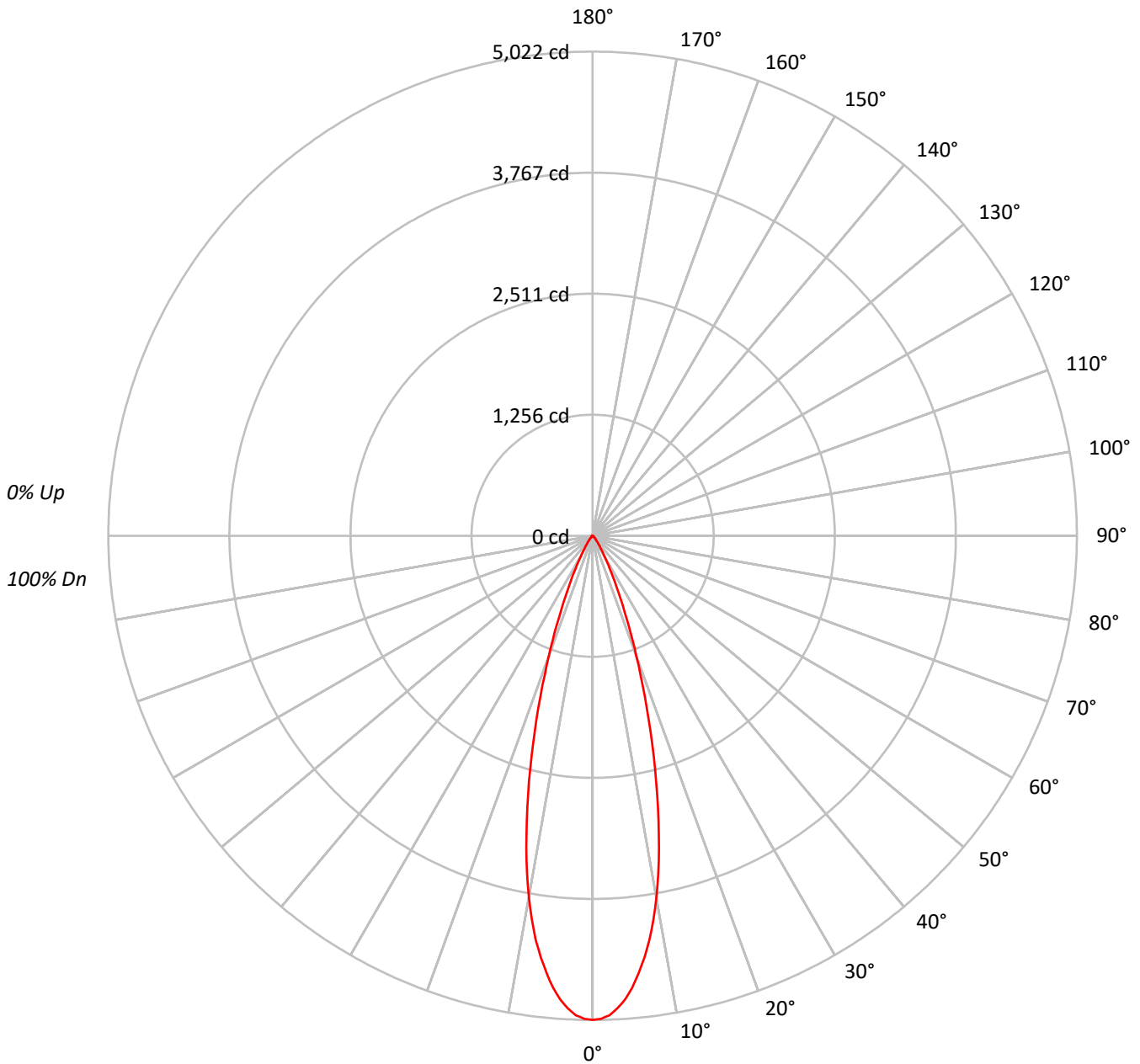
Lumens per Lamp: N/A
Luminaire Lumens: 1503.9 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.5 / 0.49
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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



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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	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°	1101118
5°	1036339
10°	848682
15°	567268
20°	308984
25°	143113
30°	62010
35°	28322
40°	14255
45°	8373
50°	5663
55°	4358
60°	4079
65°	3788
70°	1988
75°	847
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	420.5	28.0
10°-20°	676.6	45.0
20°-30°	292.3	19.4
30°-40°	73.6	4.9
40°-50°	22.2	1.5
50°-60°	10.8	0.7
60°-70°	6.9	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°	1389.4	92.4
0°-40°	1463.1	97.3
0°-60°	1496.0	99.5
0°-90°	1503.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1503.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5022	
5°	4708	421
15°	2499	677
25°	592	292
35°	106	74
45°	27	22
55°	11	11
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	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5021.5
1°	5012.1
2°	4975.8
3°	4908.4
4°	4821.2
5°	4708.1
6°	4562.8
7°	4406.1
8°	4233.9
9°	4031.5
10°	3811.5
11°	3569.7
12°	3308.2
13°	3037.4
14°	2767.6
15°	2498.8
16°	2233.2
17°	1987.2
18°	1748.5
19°	1525.4
20°	1324.1
22.5°	895.5
25°	591.5
27.5°	378.8
30°	244.9
32.5°	158.8
35°	105.8
37.5°	71.6
40°	49.8
42.5°	35.3
45°	27.0
47.5°	20.8
50°	16.6
52.5°	13.5
55°	11.4
57.5°	10.4
60°	9.3
62.5°	8.3
65°	7.3
67.5°	6.2
70°	3.1
72.5°	1.0
75°	1.0



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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)