

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: P553814

Luminaire Tested: **L80916WF935MB**

Issue Date: 7/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P553814  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2104-226-5)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 7/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L80916WF935MB  
Description: WIDE FLOOD OPTIC  
Light Source: 1600 LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1559.0 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.57  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

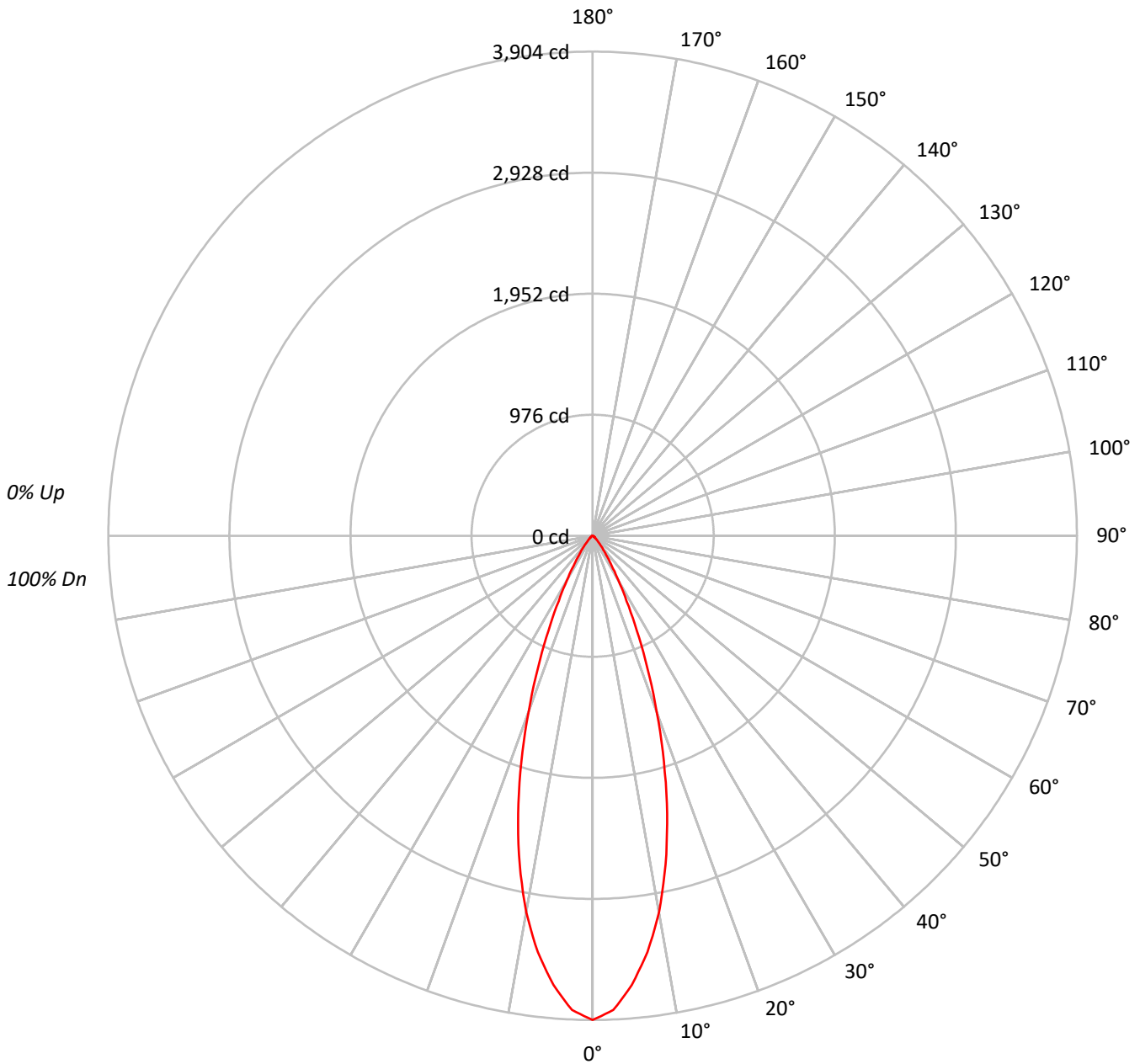
Input Watts (W): 14  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90																			
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86																			
4	101	95	90	86	99	94	89	86	92	88	85	90	86	84	88	85	83	82																			
5	97	90	85	82	96	89	85	81	87	84	80	86	82	80	84	82	79	78																			
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74																			
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71																			
8	87	79	74	70	86	78	73	70	77	73	70	76	72	70	75	72	69	68																			
9	83	75	71	67	83	75	70	67	74	70	67	73	69	67	73	69	66	65																			
10	81	73	68	64	80	72	68	64	71	67	64	71	67	64	70	66	64	63																			

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

	0°
0°	856094
5°	799976
10°	686360
15°	526655
20°	352247
25°	203383
30°	104725
35°	53110
40°	28081
45°	15568
50°	9518
55°	6805
60°	5394
65°	4618
70°	2116
75°	932
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.6	21.1
10°-20°	632.0	40.5
20°-30°	395.1	25.3
30°-40°	134.5	8.6
40°-50°	41.9	2.7
50°-60°	16.6	1.1
60°-70°	8.2	0.5
70°-80°	1.0	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°	1356.8	87.0
0°-40°	1491.2	95.7
0°-60°	1549.7	99.4
0°-90°	1559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3904	
5°	3634	330
15°	2320	632
25°	841	395
35°	198	134
45°	50	42
55°	18	17
65°	9	8
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3904.1
2.5°	3827.2
5°	3634.3
7.5°	3385.7
10°	3082.5
12.5°	2716.8
15°	2319.9
17.5°	1909.7
20°	1509.5
22.5°	1149.4
25°	840.6
27.5°	592.0
30°	413.6
32.5°	286.5
35°	198.4
37.5°	139.4
40°	98.1
42.5°	70.2
45°	50.2
47.5°	36.8
50°	27.9
52.5°	22.3
55°	17.8
57.5°	14.5
60°	12.3
62.5°	10.0
65°	8.9
67.5°	6.7
70°	3.3
72.5°	1.1
75°	1.1
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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— 0°-180°







(END OF REPORT)