

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: P553813

Luminaire Tested: **L80916WF930MB**

Issue Date: 7/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P553813  
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: L80916WF930MB  
Description: WIDE FLOOD OPTIC  
Light Source: 1600 LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

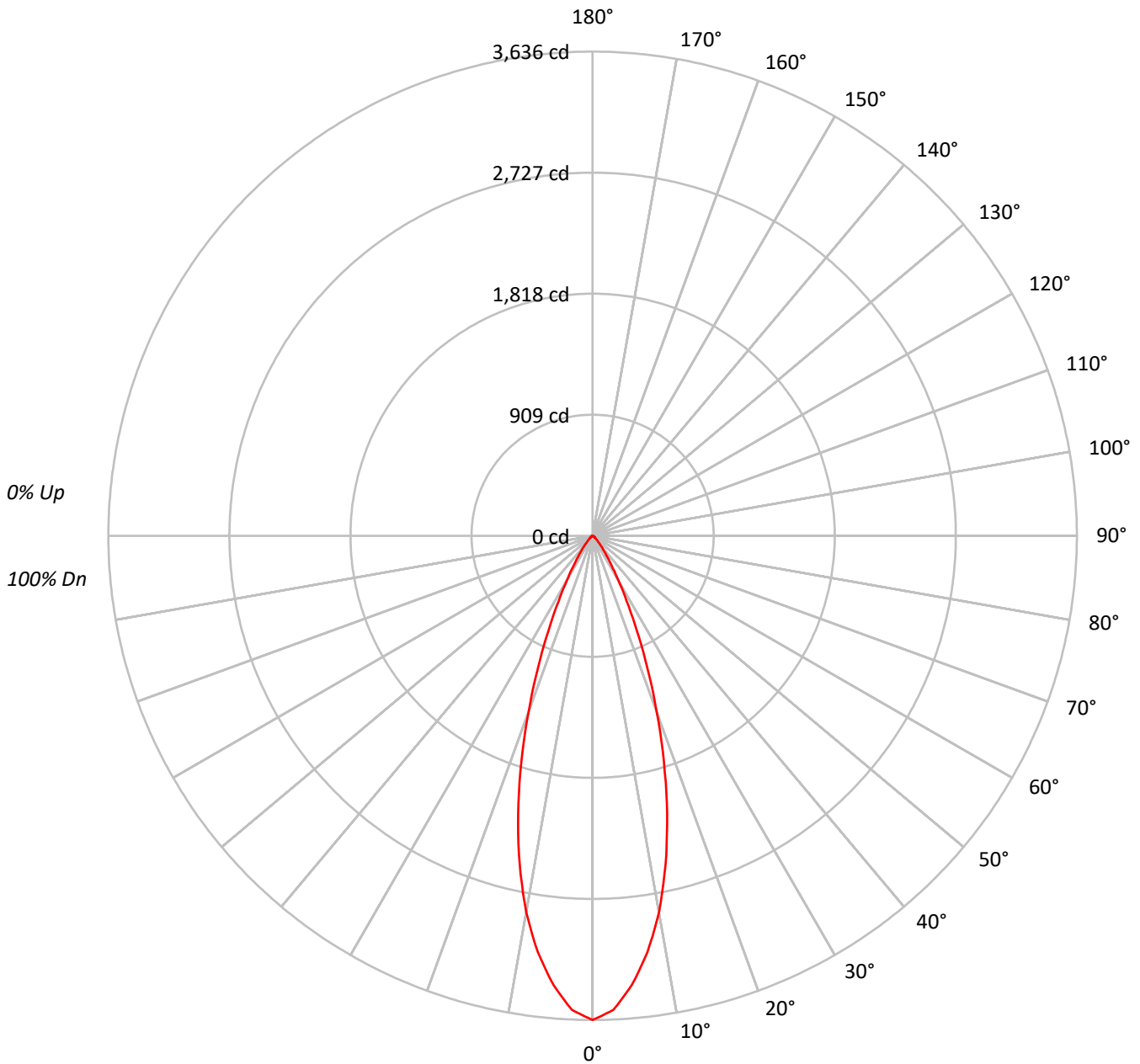
Lumens per Lamp: N/A  
Luminaire Lumens: 1452.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.57  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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				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
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90			90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86			86
4	101	95	90	86	99	94	89	86	92	88	85	90	86	84	88	85	83	82			82
5	97	90	85	82	96	89	85	81	87	84	80	86	82	80	84	82	79	78			78
6	93	86	81	77	92	85	80	77	84	80	77	82	79	76	81	78	76	74			74
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71			71
8	87	79	74	70	86	78	73	70	77	73	70	76	72	70	75	72	69	68			68
9	84	75	71	67	83	75	70	67	74	70	67	73	69	67	73	69	66	65			65
10	81	73	68	64	80	72	68	64	71	67	64	71	67	64	70	66	64	63			63

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

	0°
0°	797348
5°	745078
10°	639244
15°	490514
20°	328072
25°	189422
30°	97534
35°	49470
40°	26163
45°	14482
50°	8870
55°	6346
60°	5000
65°	4307
70°	1988
75°	847
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	307.0	21.1
10°-20°	588.7	40.5
20°-30°	368.0	25.3
30°-40°	125.2	8.6
40°-50°	39.0	2.7
50°-60°	15.5	1.1
60°-70°	7.7	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°	1263.6	87.0
0°-40°	1388.9	95.7
0°-60°	1443.4	99.4
0°-90°	1452.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1452.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3636	
5°	3385	307
15°	2161	589
25°	783	368
35°	185	125
45°	47	39
55°	17	15
65°	8	8
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3636.2
2.5°	3564.5
5°	3384.9
7.5°	3153.3
10°	2870.9
12.5°	2530.4
15°	2160.7
17.5°	1778.6
20°	1405.9
22.5°	1070.5
25°	782.9
27.5°	551.3
30°	385.2
32.5°	266.8
35°	184.8
37.5°	129.8
40°	91.4
42.5°	65.4
45°	46.7
47.5°	34.3
50°	26.0
52.5°	20.8
55°	16.6
57.5°	13.5
60°	11.4
62.5°	9.3
65°	8.3
67.5°	6.2
70°	3.1
72.5°	1.0
75°	1.0
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)