

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: P553815

Luminaire Tested: **L80916WF940MB**

Issue Date: 7/16/2021

Test Information

Test Method: LM-41-14
Report Number: P553815
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: L80916WF940MB
Description: WIDE FLOOD OPTIC
Light Source: 1600 LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

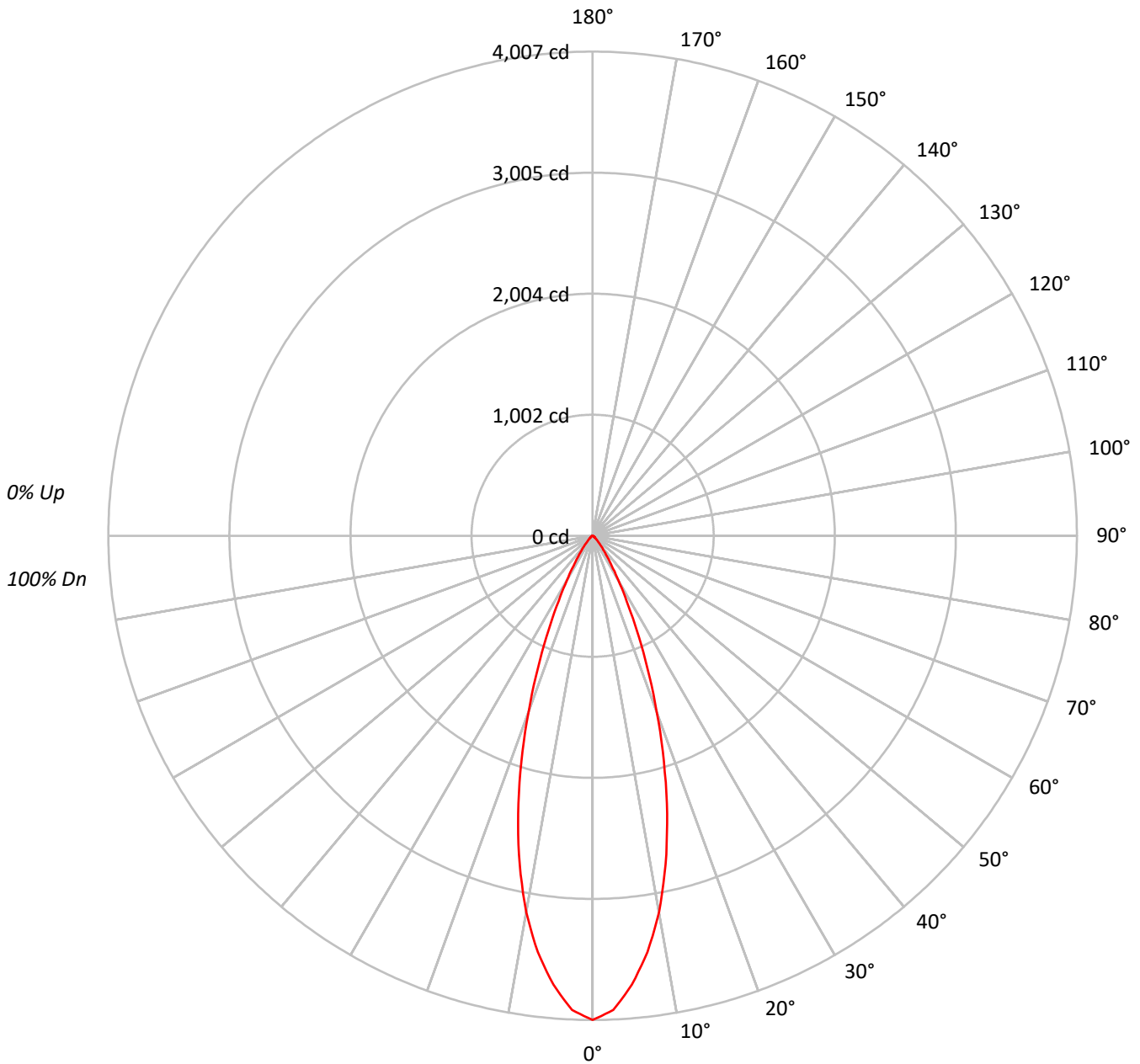
Lumens per Lamp: N/A
Luminaire Lumens: 1600.0 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.57 / 0.57
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			
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°	878614
5°	821019
10°	704418
15°	540525
20°	361511
25°	208730
30°	107485
35°	54529
40°	28825
45°	15971
50°	9757
55°	6996
60°	5526
65°	4774
70°	2180
75°	932
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.3	21.1
10°-20°	648.7	40.5
20°-30°	405.5	25.3
30°-40°	138.0	8.6
40°-50°	43.0	2.7
50°-60°	17.1	1.1
60°-70°	8.5	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°	1392.4	87.0
0°-40°	1530.4	95.7
0°-60°	1590.5	99.4
0°-90°	1600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4007	
5°	3730	338
15°	2381	649
25°	863	405
35°	204	138
45°	52	43
55°	18	17
65°	9	8
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4006.8
2.5°	3927.8
5°	3729.9
7.5°	3474.8
10°	3163.6
12.5°	2788.3
15°	2381.0
17.5°	1959.9
20°	1549.2
22.5°	1179.6
25°	862.7
27.5°	607.5
30°	424.5
32.5°	294.0
35°	203.7
37.5°	143.0
40°	100.7
42.5°	72.1
45°	51.5
47.5°	37.8
50°	28.6
52.5°	22.9
55°	18.3
57.5°	14.9
60°	12.6
62.5°	10.3
65°	9.2
67.5°	6.9
70°	3.4
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)