

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P601460

Luminaire Tested: **ML4DM10LSNFL9FS1E - TIR4D25NFL - TL43R2G_ TL44S2G_ 4000K**

Issue Date: 7/29/2022

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P601460
 Test Lab: COOPER LIGHTING SOLUTIONS
 Issue Date: 7/29/2022
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: ML4DM10LSNFL9FS1E - TIR4D25NFL - TL43R2G_ TL44S2G_ 4000K
 Description: DIRECT MOUNT, 25D OPTIC, DIFFUSE CLEAR LENS TRIM
 Light Source: (1) SELECTABLE LUMEN LED 90CRI / 4000K CCT
 Ballast/Driver: -

Summary

Lumens per Lamp: N/A
 Luminaire Lumens: 1145.5 lumens
 Efficiency: N/A
 Efficacy: 95.5 lumens/watt
 Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
 Luminous Opening: Circular (Dia: 0.21' x H: 0')
 CIE Type: Direct

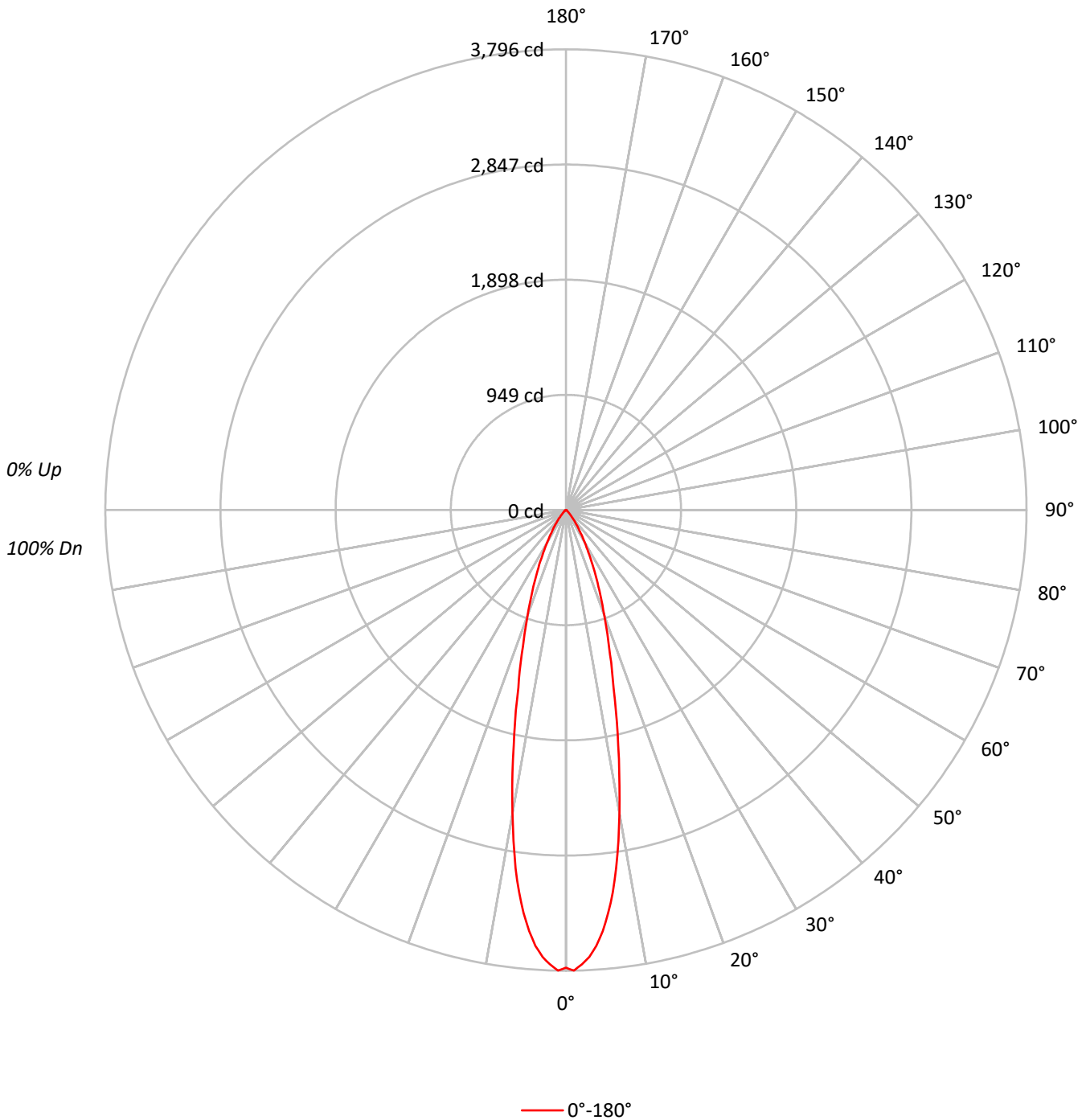
Input Watts (W): 12
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT



Meas		Calibration Due Date	
Instrument	Identificatio		
Photometer	GONIO 1 11111111	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.8	26.4
10°-20°	430.7	37.6
20°-30°	258.7	22.6
30°-40°	107.8	9.4
40°-50°	33.0	2.9
50°-60°	10.1	0.9
60°-70°	2.5	0.2
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°	991.2	86.5
0°-40°	1099.0	95.9
0°-60°	1142.1	99.7
0°-90°	1145.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1145.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3771	
5°	3484	302
15°	1516	431
25°	555	259
35°	165	108
45°	39	33
55°	10	10
65°	3	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3771.1
1°	3795.8
2°	3746.5
3°	3687.1
4°	3598.7
5°	3484.2
6°	3337.8
7°	3172.6
8°	2979.8
9°	2760.9
10°	2536.3
12.5°	1987.0
15°	1516.0
17.5°	1175.4
20°	921.8
22.5°	718.9
25°	555.1
27.5°	417.4
30°	308.7
32.5°	226.1
35°	165.2
37.5°	117.4
40°	81.2
42.5°	56.5
45°	39.1
47.5°	27.5
50°	20.3
52.5°	15.9
55°	10.1
57.5°	7.2
60°	4.3
62.5°	2.9
65°	2.9
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)