

Scaled data based on original data using
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: P645292

Luminaire Tested: **RLNL56109FSD2W1EWH-3500K**

Issue Date: 02/28/2023

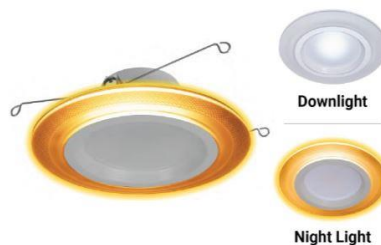
Test Information

Test Method: LM-79-08
Report Number: P645292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (ETA23010002P-002)
Test Lab: ETA Testing Technology
Issue Date: 02/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: RLNL56109FSD2W1EWH-3500K
Description: 6" 90 CRI COLOR TUNING RECESSED DOWNLIGHT RETROFIT DIM TO WARM
FIXTURE w/ NIGHTLIGHT
Light Source: 90 CRI 3500K LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

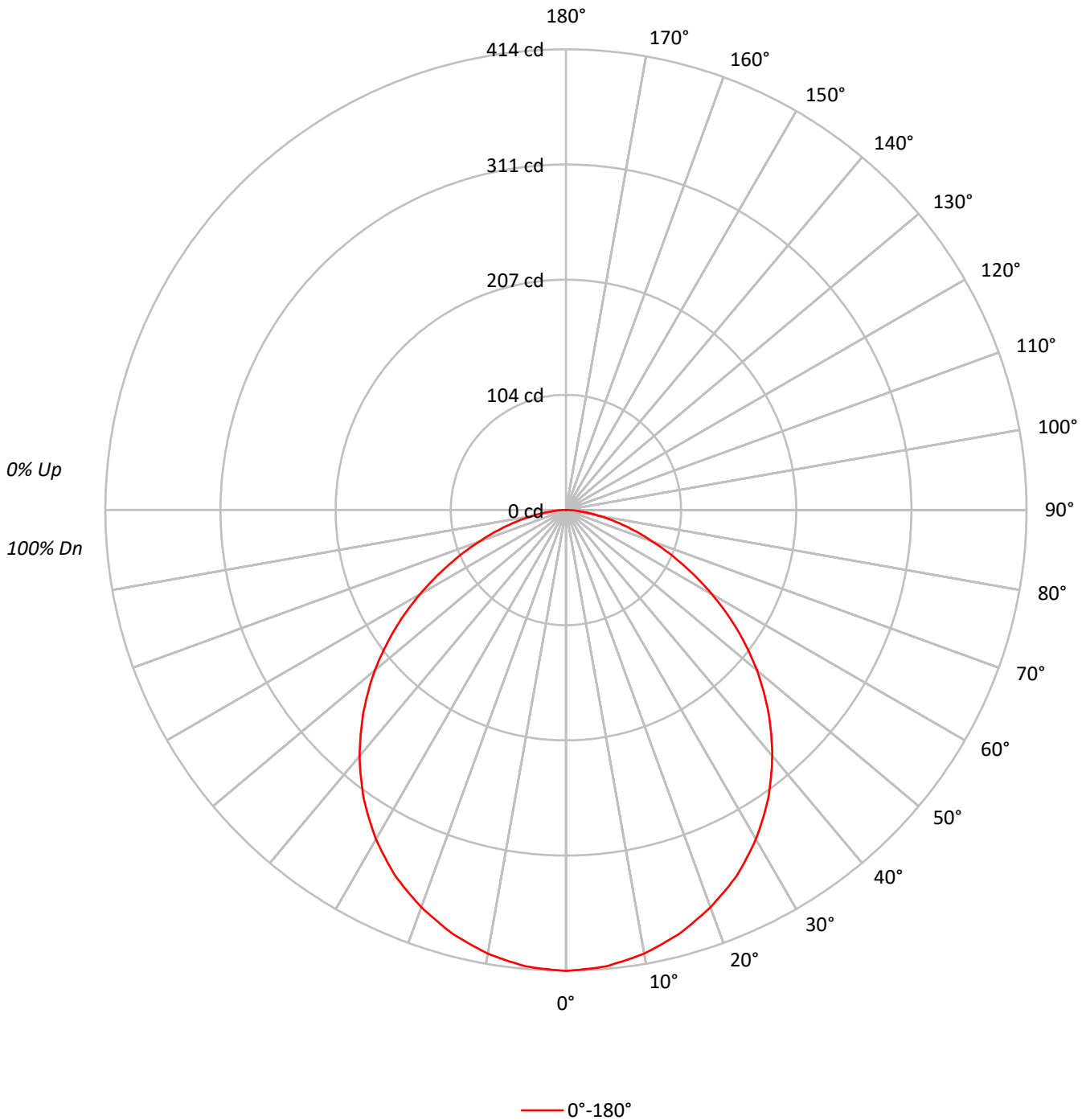
Lumens per Lamp: N/A
Luminaire Lumens: 1070.4 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10.9
Input Voltage (V): 120
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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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	3.7
10°-20°	111.2	10.4
20°-30°	167.0	15.6
30°-40°	198.0	18.5
40°-50°	198.4	18.5
50°-60°	168.3	15.7
60°-70°	115.1	10.8
70°-80°	58.7	5.5
80°-90°	14.6	1.4
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°	317.3	29.6
0°-40°	515.3	48.1
0°-60°	882.0	82.4
0°-90°	1070.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1070.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	414	
5°	412	39
15°	394	111
25°	363	167
35°	317	198
45°	258	198
55°	188	168
65°	116	115
75°	54	59
85°	11	15
90°	1	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	414.2
5°	411.7
10°	404.8
15°	394.1
20°	379.9
25°	362.9
30°	341.5
35°	316.9
40°	288.5
45°	257.5
50°	224.2
55°	188.3
60°	151.6
65°	115.5
70°	82.8
75°	54.5
80°	30.6
85°	11.3
90°	0.6

(END OF REPORT)