

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: P645293

Luminaire Tested: **RLNL56109FSD2W1EWH-4000K**

Issue Date: 02/28/2023

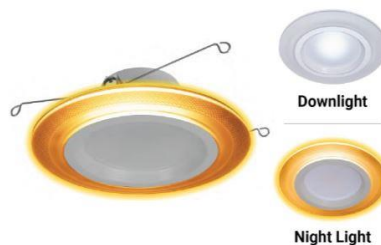
Test Information

Test Method: LM-79-08
Report Number: P645293
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-4000K
Description: 6" 90 CRI COLOR TUNING RECESSED DOWNLIGHT RETROFIT DIM TO WARM
FIXTURE w/ NIGHTLIGHT
Light Source: 90 CRI 4000K LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

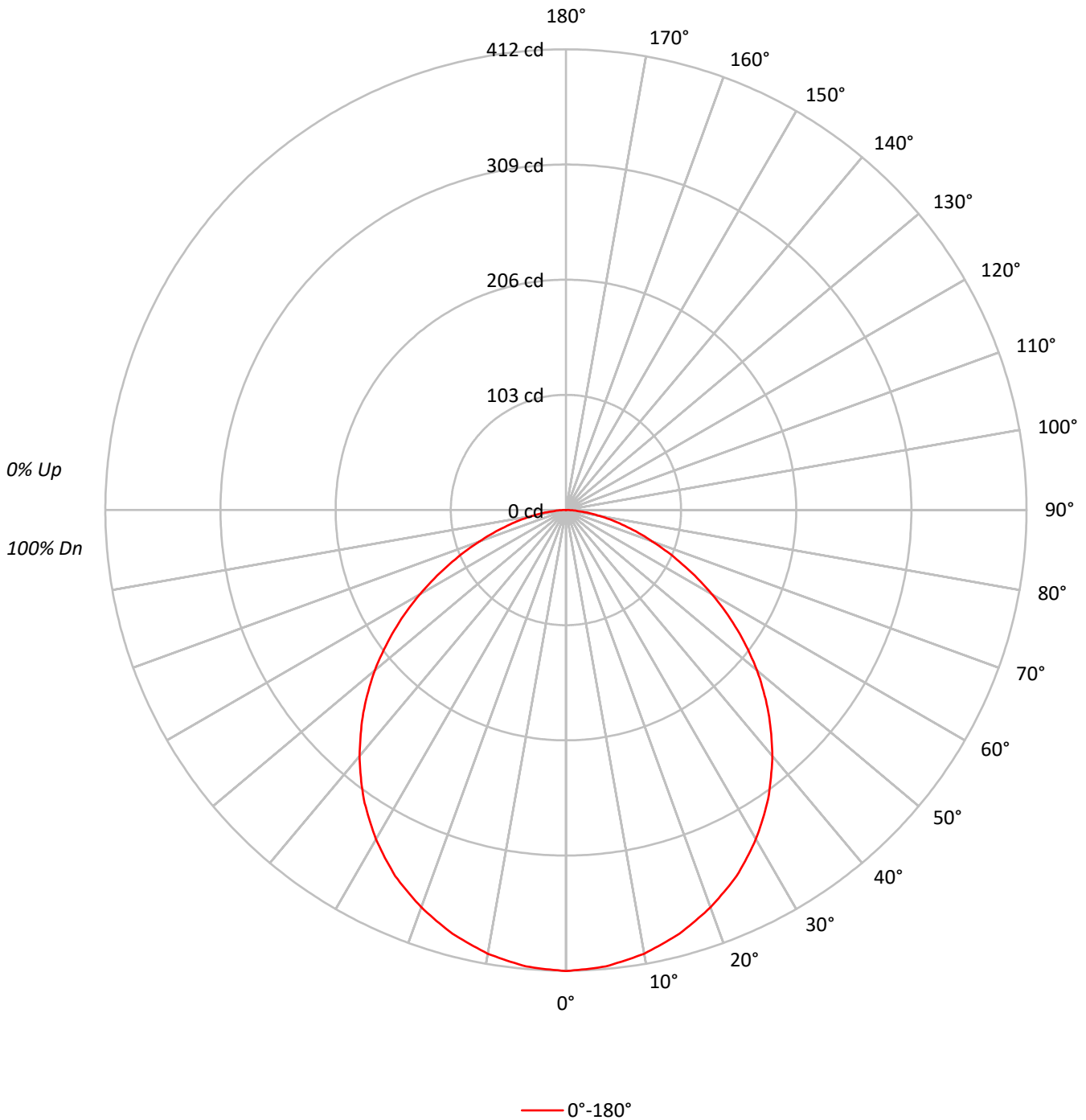
Lumens per Lamp: N/A
Luminaire Lumens: 1065.4 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	38.9	3.7
10°-20°	110.7	10.4
20°-30°	166.3	15.6
30°-40°	197.0	18.5
40°-50°	197.5	18.5
50°-60°	167.5	15.7
60°-70°	114.6	10.8
70°-80°	58.4	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°	315.8	29.6
0°-40°	512.9	48.1
0°-60°	877.9	82.4
0°-90°	1065.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1065.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	412	
5°	410	39
15°	392	111
25°	361	166
35°	315	197
45°	256	198
55°	187	167
65°	115	115
75°	54	58
85°	11	15
90°	1	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	412.3
5°	409.7
10°	402.9
15°	392.3
20°	378.1
25°	361.2
30°	339.9
35°	315.4
40°	287.2
45°	256.3
50°	223.2
55°	187.4
60°	150.9
65°	114.9
70°	82.4
75°	54.3
80°	30.4
85°	11.3
90°	0.6

(END OF REPORT)