

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: P534441

Luminaire Tested: **L808-18-NF-935-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-18-NF-935-MB
Description: 3" Track Fixture with Narrow Flood Optic
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

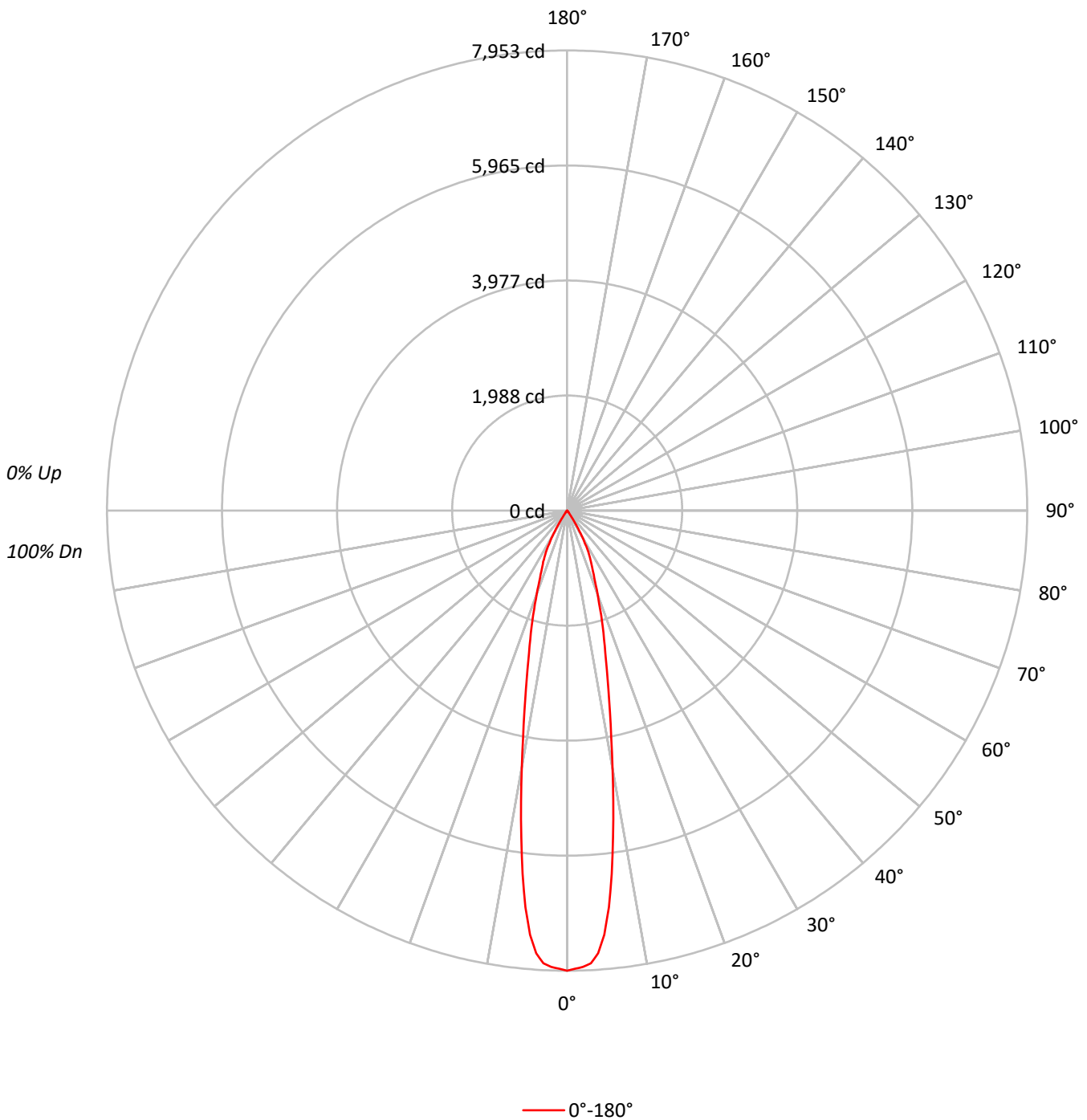
Lumens per Lamp: N/A
Luminaire Lumens: 1892.0 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 0.38 / 0.38 / 0.41
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

Input Watts (W): 19.8
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: 24 FT



TEST NUMBER: P534441
CATALOG NUMBER: L808-18-NF-935-MB

Luminous Intensity Polar Plot





TEST NUMBER: P534441

CATALOG NUMBER: L808-18-NF-935-MB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88	86	84	83
6	97	90	86	83	96	89	85	82	88	85	82		87	84	81		86	83	81	80
7	94	87	82	79	93	86	82	79	85	82	79		84	81	78		83	80	78	77
8	91	84	80	77	90	83	79	76	82	79	76		82	78	76		81	78	76	74
9	88	81	77	74	87	81	77	74	80	76	74		79	76	73		78	75	73	72
10	86	79	74	72	85	78	74	71	78	74	71		77	73	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	174387344
5°	162000460
10°	100332144
15°	57970821
20°	35791779
25°	23643301
30°	12731073
35°	2741169
40°	812952
45°	409345
50°	208096
55°	156745
60°	131568
65°	155659
70°	128227
75°	84724
80°	126279
85°	0



TEST NUMBER: P534441

CATALOG NUMBER: L808-18-NF-935-MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.9	31.8
10°-20°	726.3	38.4
20°-30°	441.6	23.3
30°-40°	103.5	5.5
40°-50°	11.1	0.6
50°-60°	3.7	0.2
60°-70°	2.6	0.1
70°-80°	1.2	0.1
80°-90°	0.1	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°	1769.7	93.5
0°-40°	1873.2	99.0
0°-60°	1888.1	99.8
0°-90°	1892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1892.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7953	
5°	7360	602
15°	2554	726
25°	977	442
35°	102	103
45°	13	11
55°	4	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P534441

CATALOG NUMBER: L808-18-NF-935-MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	7952.7
1°	7920.3
2°	7892.9
3°	7835.1
4°	7670.9
5°	7359.7
6°	6892.4
7°	6327.7
8°	5704.3
9°	5091.0
10°	4506.0
11°	3999.2
12°	3556.2
13°	3168.9
14°	2832.4
15°	2553.6
16°	2316.4
17°	2099.4
18°	1901.8
19°	1705.1
20°	1533.8
21°	1384.8
22°	1254.0
23°	1144.5
24°	1054.3
25°	977.2
26°	899.2
27°	803.9
28°	701.5
29°	600.1
30°	502.8
32.5°	278.8
35°	102.4
37.5°	48.7
40°	28.4
42.5°	20.3
45°	13.2
47.5°	8.1
50°	6.1
52.5°	5.1
55°	4.1
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0



TEST NUMBER: P534441

CATALOG NUMBER: L808-18-NF-935-MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)