

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: P534444

Luminaire Tested: **L808-18-SP-930-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2104-229-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-18-SP-930-MB
Description: 3" Track Fixture with Spot Optic
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

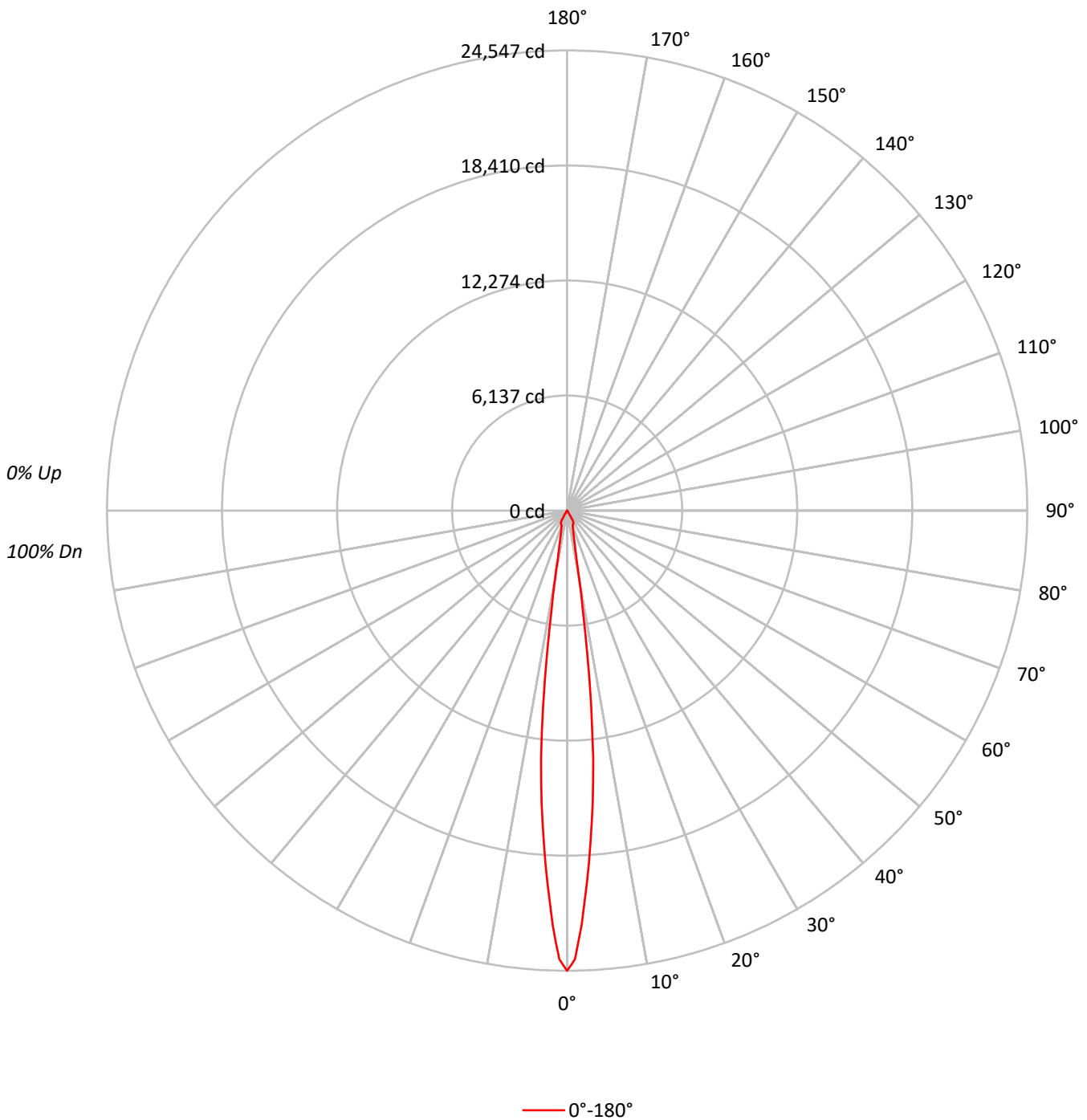
Lumens per Lamp: N/A
Luminaire Lumens: 1925.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.21
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

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



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100		101	100	98		99	97	96	95
3	109	105	101	99	107	103	100	98	101	98	96		99	97	95		97	95	94	92
4	106	101	98	95	105	100	97	94	98	95	93		96	94	92		95	93	91	90
5	103	98	94	92	102	97	94	91	96	93	91		94	92	90		93	91	89	88
6	101	95	92	89	100	95	91	89	93	90	88		92	90	88		91	89	87	86
7	99	93	89	87	98	92	89	86	91	88	86		90	88	86		89	87	85	84
8	96	91	87	85	96	90	87	84	89	86	84		89	86	84		88	85	83	83
9	94	89	85	83	94	88	85	83	88	84	82		87	84	82		86	84	82	81
10	93	87	83	81	92	86	83	81	86	83	81		85	83	81		85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	538277049
5°	344819709
10°	81572749
15°	29403120
20°	20397440
25°	18656723
30°	13118474
35°	1311692
40°	486626
45°	248088
50°	170570
55°	152922
60°	131568
65°	155659
70°	128227
75°	84724
80°	126279
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1075.0	55.8
10°-20°	411.8	21.4
20°-30°	342.7	17.8
30°-40°	80.5	4.2
40°-50°	7.2	0.4
50°-60°	3.3	0.2
60°-70°	2.9	0.1
70°-80°	1.4	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°	1829.4	95.0
0°-40°	1910.0	99.2
0°-60°	1920.6	99.8
0°-90°	1925.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1925.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24547	
5°	15665	###
15°	1295	412
25°	771	343
35°	49	81
45°	8	7
55°	4	3
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	24547.4
1°	23936.3
2°	22104.1
3°	19931.8
4°	17807.5
5°	15665.2
6°	13260.8
7°	10475.4
8°	7599.0
9°	5328.7
10°	3663.5
11°	2648.4
12°	2103.3
13°	1739.2
14°	1492.2
15°	1295.2
17.5°	1011.1
20°	874.1
22.5°	806.1
25°	771.1
27.5°	721.1
30°	518.1
32.5°	205.0
35°	49.0
37.5°	26.0
40°	17.0
42.5°	12.0
45°	8.0
47.5°	7.0
50°	5.0
52.5°	4.0
55°	4.0
57.5°	3.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	3.0
70°	2.0
72.5°	2.0
75°	1.0
77.5°	1.0
80°	1.0
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)