

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: P534467

Luminaire Tested: **L808-13-SP-927-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534467
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: L808-13-SP-927-MB
Description: 3" Track Fixture with Spot Optic
Light Source: (1) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

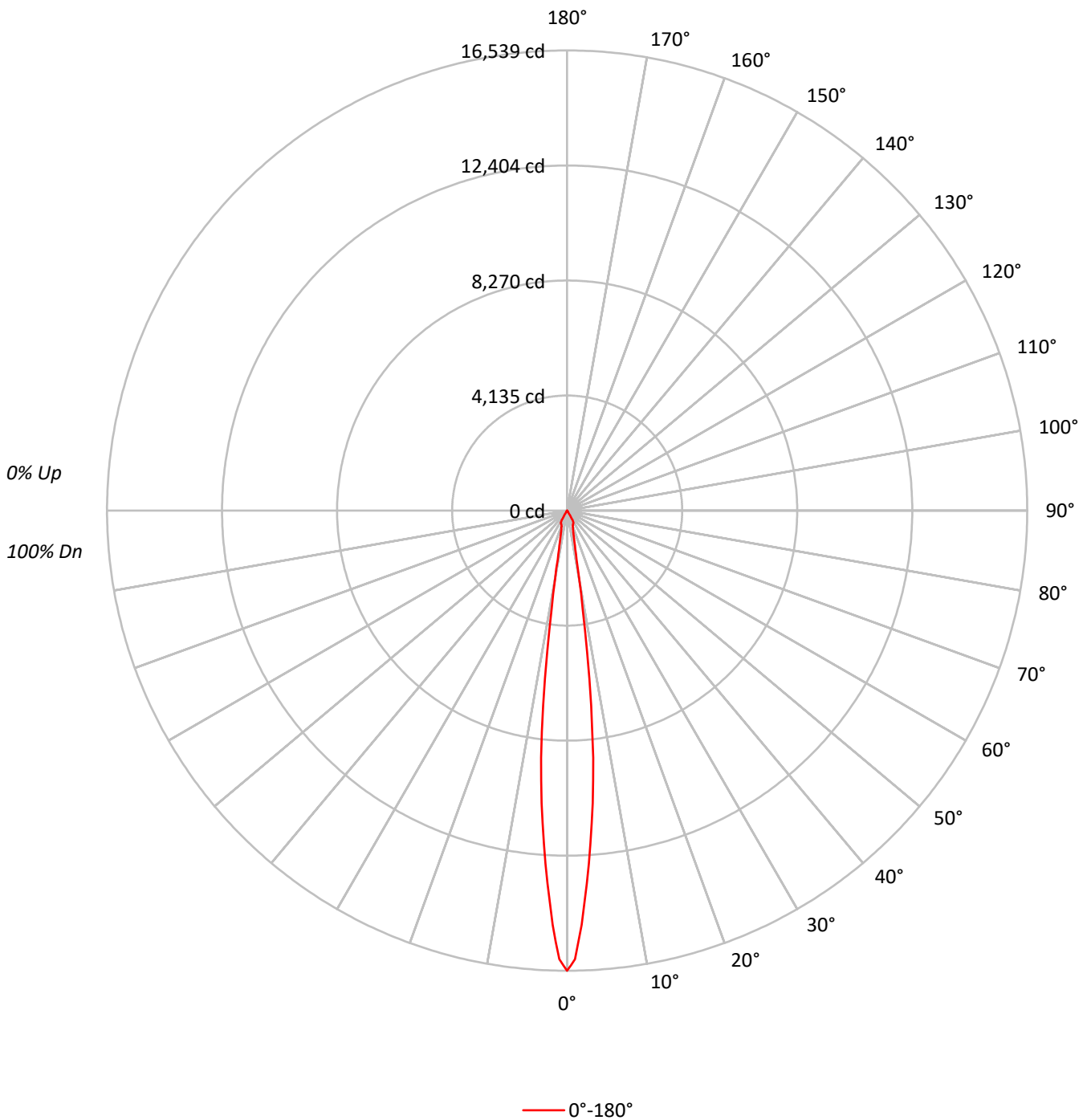
Lumens per Lamp: N/A
Luminaire Lumens: 1297.0 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.21
Luminous Opening: Circular (Dia: 0.02' x H: 0')
CIE Type: Direct

Input Watts (W): 12.7
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°	362672697
5°	232328255
10°	54960016
15°	19809422
20°	13744528
25°	12569274
30°	8839335
35°	883385
40°	329188
45°	167459
50°	115988
55°	103222
60°	87712
65°	103772
70°	83347
75°	59306
80°	88395
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	724.3	55.8
10°-20°	277.4	21.4
20°-30°	230.9	17.8
30°-40°	54.3	4.2
40°-50°	4.9	0.4
50°-60°	2.3	0.2
60°-70°	1.9	0.1
70°-80°	1.0	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°	1232.6	95.0
0°-40°	1286.9	99.2
0°-60°	1294.0	99.8
0°-90°	1297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1297.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16539	
5°	10555	724
15°	873	277
25°	520	231
35°	33	54
45°	5	5
55°	3	2
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	16539.2
1°	16127.5
2°	14893.0
3°	13429.3
4°	11998.1
5°	10554.7
6°	8934.7
7°	7058.0
8°	5120.0
9°	3590.3
10°	2468.3
11°	1784.4
12°	1417.1
13°	1171.8
14°	1005.4
15°	872.6
17.5°	681.3
20°	589.0
22.5°	543.1
25°	519.5
27.5°	485.9
30°	349.1
32.5°	138.1
35°	33.0
37.5°	17.5
40°	11.5
42.5°	8.1
45°	5.4
47.5°	4.7
50°	3.4
52.5°	2.7
55°	2.7
57.5°	2.0
60°	2.0
62.5°	2.0
65°	2.0
67.5°	2.0
70°	1.3
72.5°	1.3
75°	0.7
77.5°	0.7
80°	0.7
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)