

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: P534458

Luminaire Tested: **L808-30-SP-940-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534458
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-126-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L808-30-SP-940-MB
Description: 4" Track Fixture with Spot Optic
Light Source: (1) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

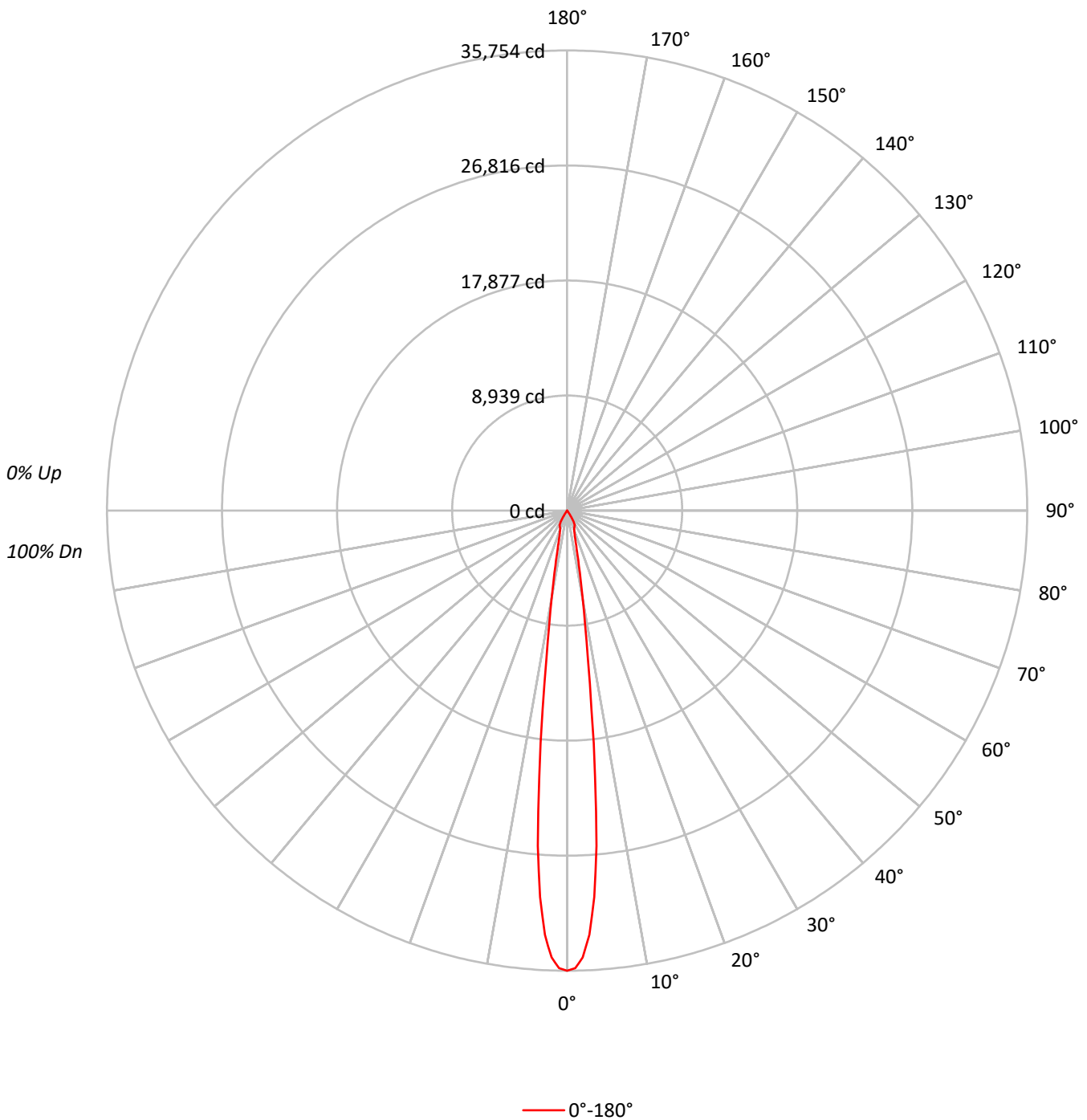
Lumens per Lamp: N/A
Luminaire Lumens: 3350.9 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.23 / 0.23 / 0.22
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	115	113	111	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97	97	97	97	
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94	94	
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92	92	
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89	89	
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87	87	
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85	85	85	85	
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83	83	83	83	
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81	81	81	81	
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79	79	79	79	
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	79	78	78	78	78	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4418937
5°	3244710
10°	871076
15°	333303
20°	212491
25°	183648
30°	133193
35°	19780
40°	5244
45°	2936
50°	2153
55°	1681
60°	1656
65°	1638
70°	1229
75°	1051
80°	783
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1726.4	51.5
10°-20°	814.4	24.3
20°-30°	612.3	18.3
30°-40°	167.8	5.0
40°-50°	14.4	0.4
50°-60°	7.7	0.2
60°-70°	5.4	0.2
70°-80°	2.0	0.1
80°-90°	0.4	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°	3153.1	94.1
0°-40°	3320.9	99.1
0°-60°	3343.0	99.8
0°-90°	3350.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	35754	
5°	26153	###
15°	2605	814
25°	1347	612
35°	131	168
45°	17	14
55°	8	8
65°	6	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	35754.1
1°	35558.0
2°	34743.5
3°	33004.7
4°	30088.3
5°	26153.4
6°	20803.5
7°	15557.8
8°	11579.3
9°	8912.8
10°	6940.9
11°	5494.4
12°	4377.4
13°	3576.3
14°	3016.1
15°	2604.9
16°	2285.6
17°	2040.2
18°	1852.0
19°	1716.4
20°	1615.6
22.5°	1442.0
25°	1346.7
26°	1316.5
27°	1287.3
28°	1230.2
29°	1104.7
30°	933.3
32.5°	479.5
35°	131.1
37.5°	44.8
40°	32.5
42.5°	23.5
45°	16.8
47.5°	13.4
50°	11.2
52.5°	10.1
55°	7.8
57.5°	7.8
60°	6.7
62.5°	6.7
65°	5.6
67.5°	4.5
70°	3.4
72.5°	2.2



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CANDELA DISTRIBUTION (continued):

	0°
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)