

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: P534457

Luminaire Tested: **L808-30-SP-935-MB**

Issue Date: 6/9/2021

Test Information

Test Method: LM-79-08
Report Number: P534457
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-935-MB
Description: 4" Track Fixture with Spot Optic
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

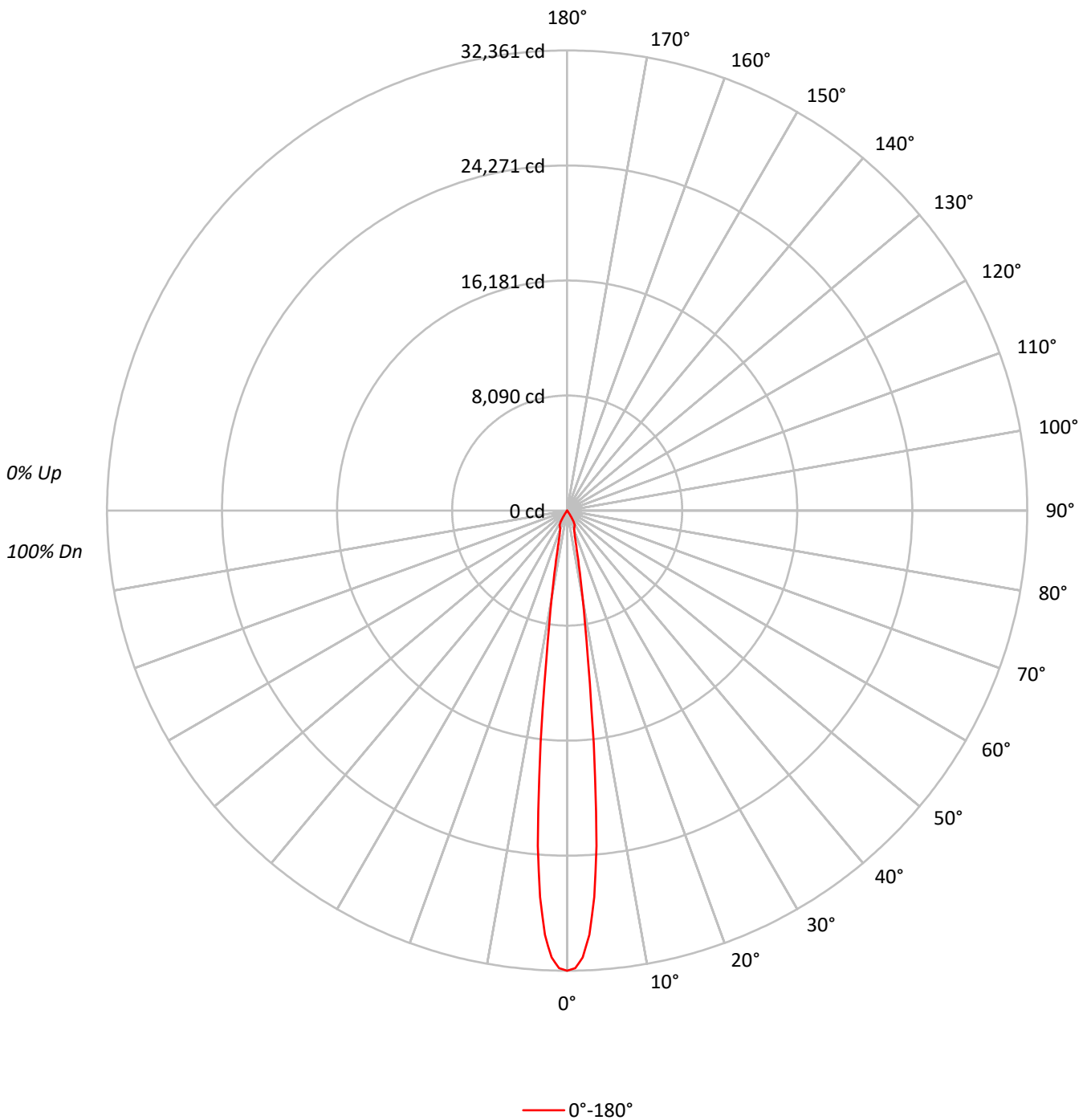
Lumens per Lamp: N/A
Luminaire Lumens: 3033.0 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 0.23 / 0.23 / 0.22
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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	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	110	113	111	110	108	107	106	105	104	103	102	100	99	99	97
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94
3	109	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	94	90	88	99	94	90	87	92	89	87	91	88	86	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79
10	91	85	82	79	91	85	81	79	84	81	79	84	81	79	83	80	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3999587
5°	2936794
10°	788410
15°	301673
20°	192328
25°	166220
30°	120549
35°	17894
40°	4743
45°	2657
50°	1942
55°	1530
60°	1508
65°	1491
70°	1084
75°	955
80°	712
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1562.6	51.5
10°-20°	737.1	24.3
20°-30°	554.2	18.3
30°-40°	151.9	5.0
40°-50°	13.1	0.4
50°-60°	7.0	0.2
60°-70°	4.9	0.2
70°-80°	1.8	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°	2853.8	94.1
0°-40°	3005.8	99.1
0°-60°	3025.8	99.8
0°-90°	3033.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3033.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32361	
5°	23672	###
15°	2358	737
25°	1219	554
35°	119	152
45°	15	13
55°	7	7
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	32361.1
1°	32183.7
2°	31446.5
3°	29872.6
4°	27233.0
5°	23671.5
6°	18829.3
7°	14081.4
8°	10480.5
9°	8067.0
10°	6282.2
11°	4973.0
12°	3962.0
13°	3236.9
14°	2729.9
15°	2357.7
16°	2068.7
17°	1846.6
18°	1676.3
19°	1553.6
20°	1462.3
22.5°	1305.1
25°	1218.9
26°	1191.5
27°	1165.2
28°	1113.5
29°	999.9
30°	844.7
32.5°	434.0
35°	118.6
37.5°	40.6
40°	29.4
42.5°	21.3
45°	15.2
47.5°	12.2
50°	10.1
52.5°	9.1
55°	7.1
57.5°	7.1
60°	6.1
62.5°	6.1
65°	5.1
67.5°	4.1
70°	3.0
72.5°	2.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)