

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: P257050

Luminaire Tested: **L806SMWS8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257050
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SMWS8040MB
Description: HALO LED SMALL OUTPUT TRACK FIXTURE 06 WITH WIDE SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-10)
Light Source: (5) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

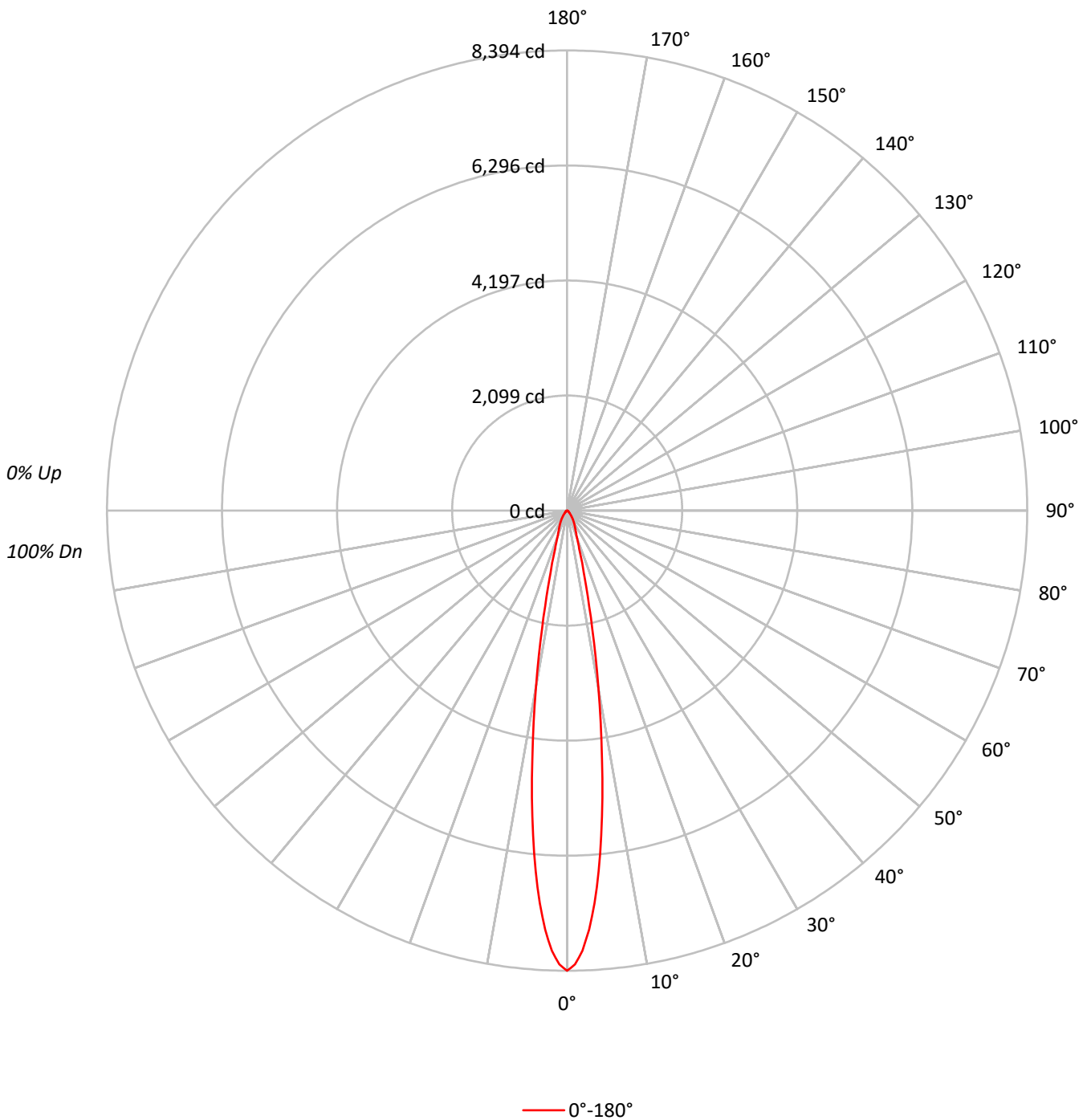
Lumens per Lamp: N/A
Luminaire Lumens: 1228.9 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.3
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 11.9
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: 25 FT



TEST NUMBER: P257050
CATALOG NUMBER: L806SMWS8040MB

Luminous Intensity Polar Plot





TEST NUMBER: P257050

CATALOG NUMBER: L806SMWS8040MB

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	112	110	108	112	110	108	107	106	105	104		103	101	100		99	98	98	96
2	110	107	103	101	108	105	102	99	102	99	97		99	97	95		96	95	93	92
3	107	102	98	95	105	100	97	94	98	95	92		95	93	91		93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88		92	89	87		90	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85	83	80	79
7	94	87	82	79	93	86	82	79	85	81	79		84	81	78		83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81	78	76	75
9	89	82	77	75	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	86	79	75	72	78	75	72		78	74	72		77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4141280
5°	3269486
10°	1641897
15°	597004
20°	268350
25°	185254
30°	137755
35°	94562
40°	62732
45°	39981
50°	28170
55°	20730
60°	15788
65°	13426
70°	9954
75°	8769
80°	6535
85°	6227



TEST NUMBER: P257050

CATALOG NUMBER: L806SMWS8040MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.0	42.2
10°-20°	365.3	29.7
20°-30°	159.7	13.0
30°-40°	99.9	8.1
40°-50°	46.7	3.8
50°-60°	22.2	1.8
60°-70°	11.3	0.9
70°-80°	4.8	0.4
80°-90°	0.9	0.1
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°	1042.9	84.9
0°-40°	1142.9	93.0
0°-60°	1211.8	98.6
0°-90°	1228.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8394	
5°	6602	518
15°	1169	365
25°	340	160
35°	157	100
45°	57	47
55°	24	22
65°	12	11
75°	5	5
85°	1	1
90°	0	



TEST NUMBER: P257050

CATALOG NUMBER: L806SMWS8040MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	8393.7
1°	8280.2
2°	8035.0
3°	7653.4
4°	7180.2
5°	6601.5
6°	5959.8
7°	5278.0
8°	4577.9
9°	3909.8
10°	3277.3
11°	2707.8
12°	2201.3
13°	1789.9
14°	1439.2
15°	1168.8
17.5°	727.6
20°	511.1
22.5°	406.8
25°	340.3
27.5°	286.5
30°	241.8
32.5°	195.9
35°	157.0
37.5°	124.9
40°	97.4
42.5°	74.5
45°	57.3
47.5°	45.8
50°	36.7
52.5°	29.8
55°	24.1
57.5°	19.5
60°	16.0
62.5°	13.8
65°	11.5
67.5°	9.2
70°	6.9
72.5°	5.7
75°	4.6
77.5°	3.4
80°	2.3
82.5°	1.1
85°	1.1
87.5°	0.0



TEST NUMBER: P257050
CATALOG NUMBER: L806SMWS8040MB

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)