

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: P257058

Luminaire Tested: **L806SP8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257058
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806SP8040MB
Description: HALO LED TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-13)
Light Source: (9) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

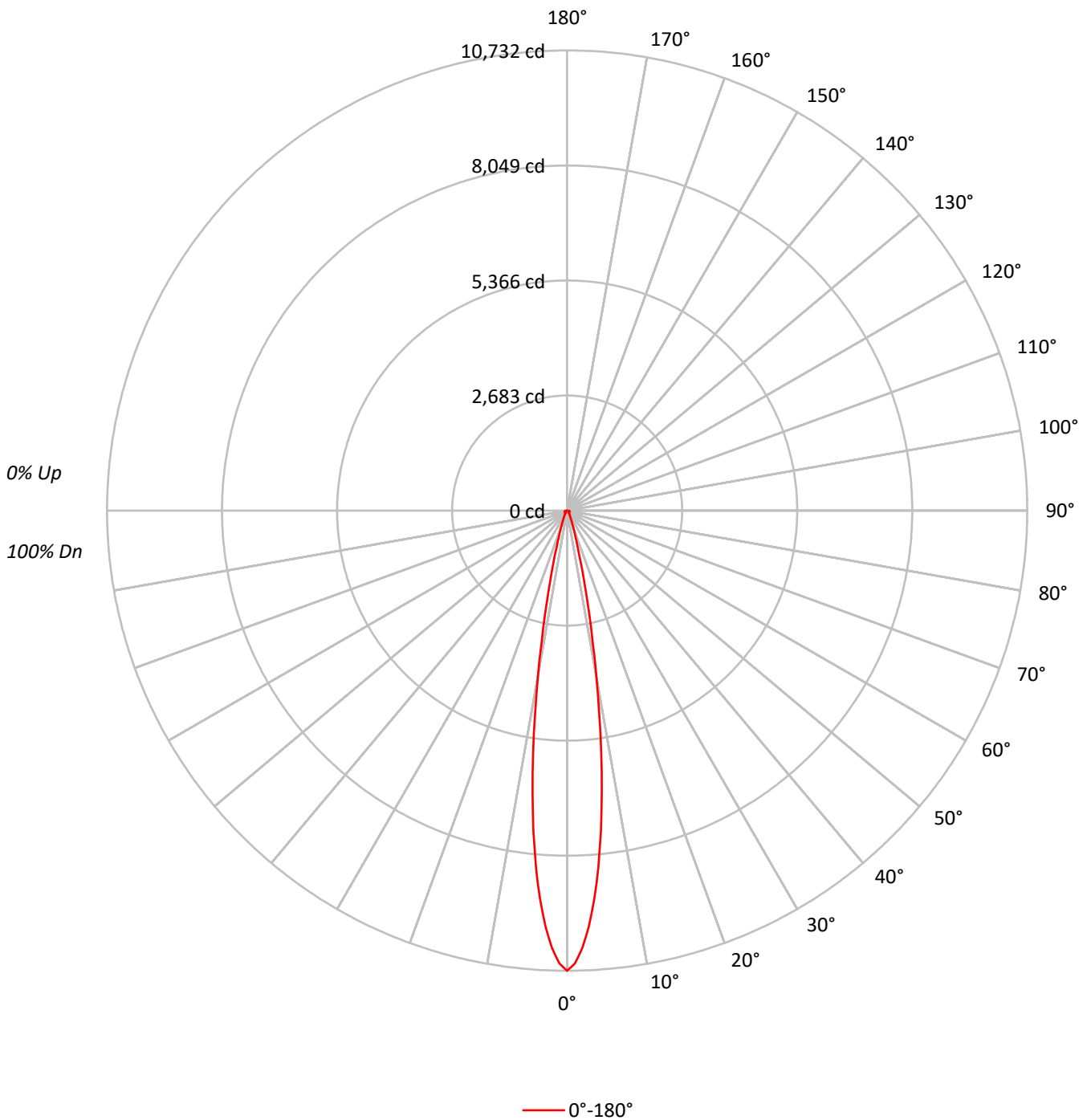
Lumens per Lamp: N/A
Luminaire Lumens: 1372.4 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

Input Watts (W): 17.7
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: 25 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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		94	92	90	88
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	101	94	90	86	99	93	89	86	91	88	85		89	86	84		88	85	83	81
5	98	91	86	83	96	90	86	82	88	84	81		87	83	81		85	82	80	79
6	95	88	83	80	94	87	83	79	86	82	79		84	81	78		83	80	78	77
7	92	85	81	77	91	85	80	77	83	80	77		82	79	76		81	78	76	75
8	90	83	78	75	89	82	78	75	81	78	75		81	77	75		80	77	74	73
9	88	81	76	74	87	80	76	73	80	76	73		79	75	73		78	75	73	72
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2800716
5°	2186146
10°	1034722
15°	312502
20°	112111
25°	56119
30°	34352
35°	24785
40°	21053
45°	19265
50°	17741
55°	18881
60°	27244
65°	40754
70°	47153
75°	45070
80°	39975
85°	32038



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.2	47.2
10°-20°	376.2	27.4
20°-30°	95.9	7.0
30°-40°	50.7	3.7
40°-50°	40.3	2.9
50°-60°	39.5	2.9
60°-70°	62.0	4.5
70°-80°	47.0	3.4
80°-90°	12.6	0.9
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°	1120.2	81.6
0°-40°	1170.9	85.3
0°-60°	1250.7	91.1
0°-90°	1372.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1372.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10732	
5°	8345	648
15°	1157	376
25°	195	96
35°	78	51
45°	52	40
55°	42	39
65°	66	62
75°	45	47
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10732.3
1°	10560.9
2°	10199.8
3°	9707.7
4°	9084.6
5°	8345.4
6°	7521.0
7°	6624.1
8°	5693.2
9°	4772.9
10°	3904.8
11°	3136.8
12°	2480.7
13°	1923.6
14°	1490.1
15°	1156.7
16°	907.5
17°	723.2
18°	588.0
19°	482.5
20°	403.7
21°	341.9
22°	292.9
23°	253.5
24°	220.5
25°	194.9
26°	173.6
27°	154.4
28°	138.5
29°	125.7
30°	114.0
32.5°	91.6
35°	77.8
37.5°	69.2
40°	61.8
42.5°	56.5
45°	52.2
47.5°	47.9
50°	43.7
52.5°	40.5
55°	41.5
57.5°	45.8
60°	52.2
62.5°	59.6
65°	66.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	67.1
70°	61.8
72.5°	53.3
75°	44.7
77.5°	36.2
80°	26.6
82.5°	18.1
85°	10.7
87.5°	4.3
90°	0.0

(END OF REPORT)