

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: P257047

Luminaire Tested: **L806HOSP8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257047
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOSP8040MB
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-1)
Light Source: (15) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

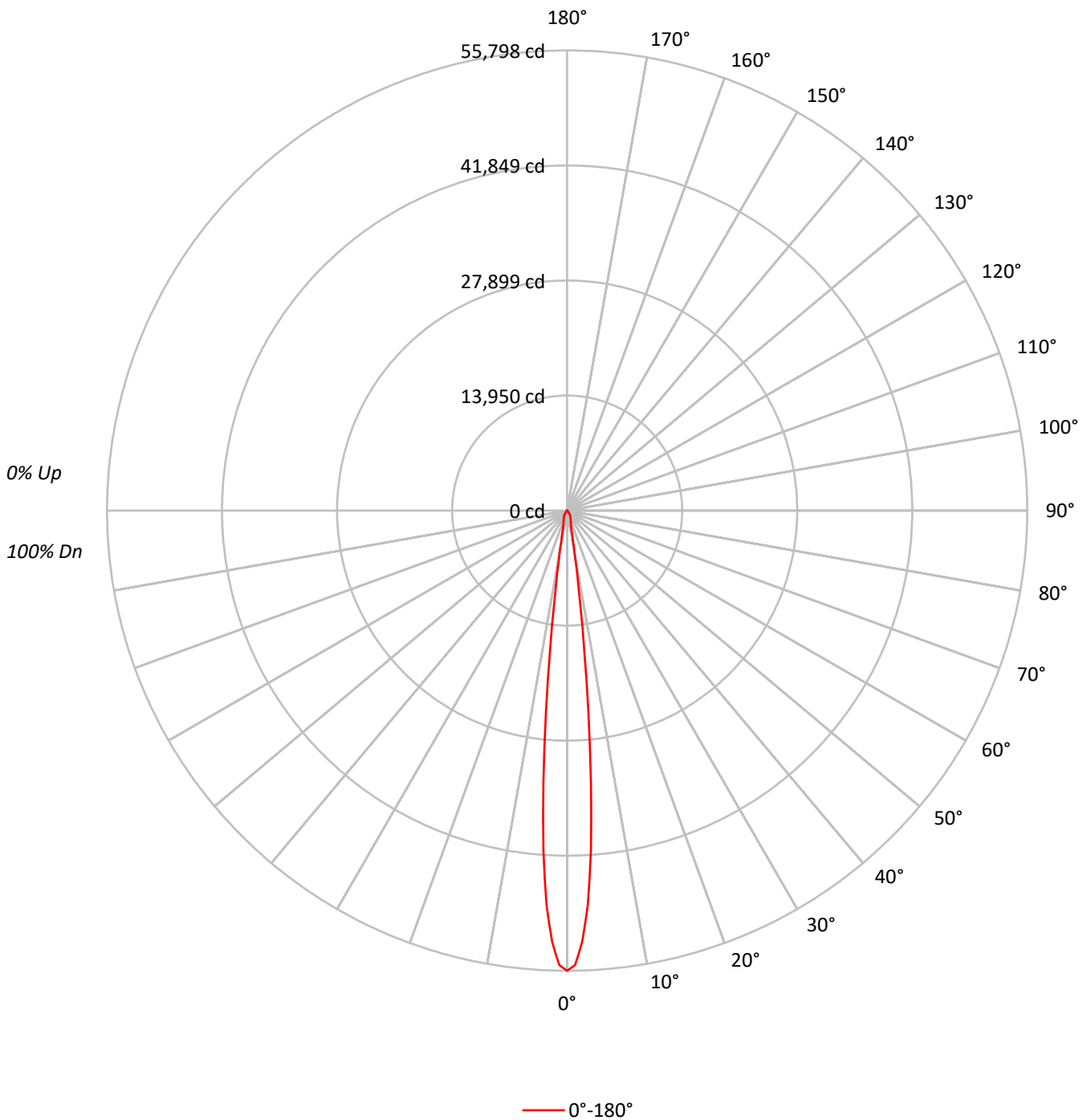
Lumens per Lamp: N/A
Luminaire Lumens: 3560.5 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.19
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 33.6
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	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84
7	97	92	88	85	96	91	87	85	90	87	84	89	86	84	88	85	84	83
8	95	89	85	83	94	89	85	83	88	85	82	87	84	82	86	84	82	81
9	93	87	84	81	93	87	83	81	86	83	81	85	83	80	85	82	80	79
10	92	85	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7830629
5°	4654857
10°	740810
15°	253270
20°	186982
25°	146254
30°	117162
35°	84342
40°	49611
45°	21415
50°	15043
55°	10668
60°	6764
65°	5346
70°	2339
75°	596
80°	889
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2097.7	58.9
10°-20°	571.2	16.0
20°-30°	437.6	12.3
30°-40°	297.0	8.3
40°-50°	100.6	2.8
50°-60°	42.0	1.2
60°-70°	12.4	0.3
70°-80°	1.8	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°	3106.5	87.2
0°-40°	3403.5	95.6
0°-60°	3546.1	99.6
0°-90°	3560.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3560.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	55798	
5°	33042	###
15°	1743	571
25°	944	438
35°	492	297
45°	108	101
55°	44	42
65°	16	12
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	55797.7
1°	55112.6
2°	52310.2
3°	47814.0
4°	41284.3
5°	33042.3
6°	24484.8
7°	17080.6
8°	11349.6
9°	7586.7
10°	5198.5
11°	3742.3
12°	2864.4
13°	2306.6
14°	1958.9
15°	1743.2
17.5°	1466.6
20°	1252.0
22.5°	1077.6
25°	944.5
27.5°	832.0
30°	723.0
32.5°	583.0
35°	492.3
37.5°	354.6
40°	270.8
42.5°	173.3
45°	107.9
47.5°	79.2
50°	68.9
52.5°	56.2
55°	43.6
57.5°	42.5
60°	24.1
62.5°	13.8
65°	16.1
67.5°	5.7
70°	5.7
72.5°	0.0
75°	1.1
77.5°	2.3
80°	1.1
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)