

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: P257064

Luminaire Tested: **L806HOWS8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257064
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOWS8030MB
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH WIDE SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-2)
Light Source: (15) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

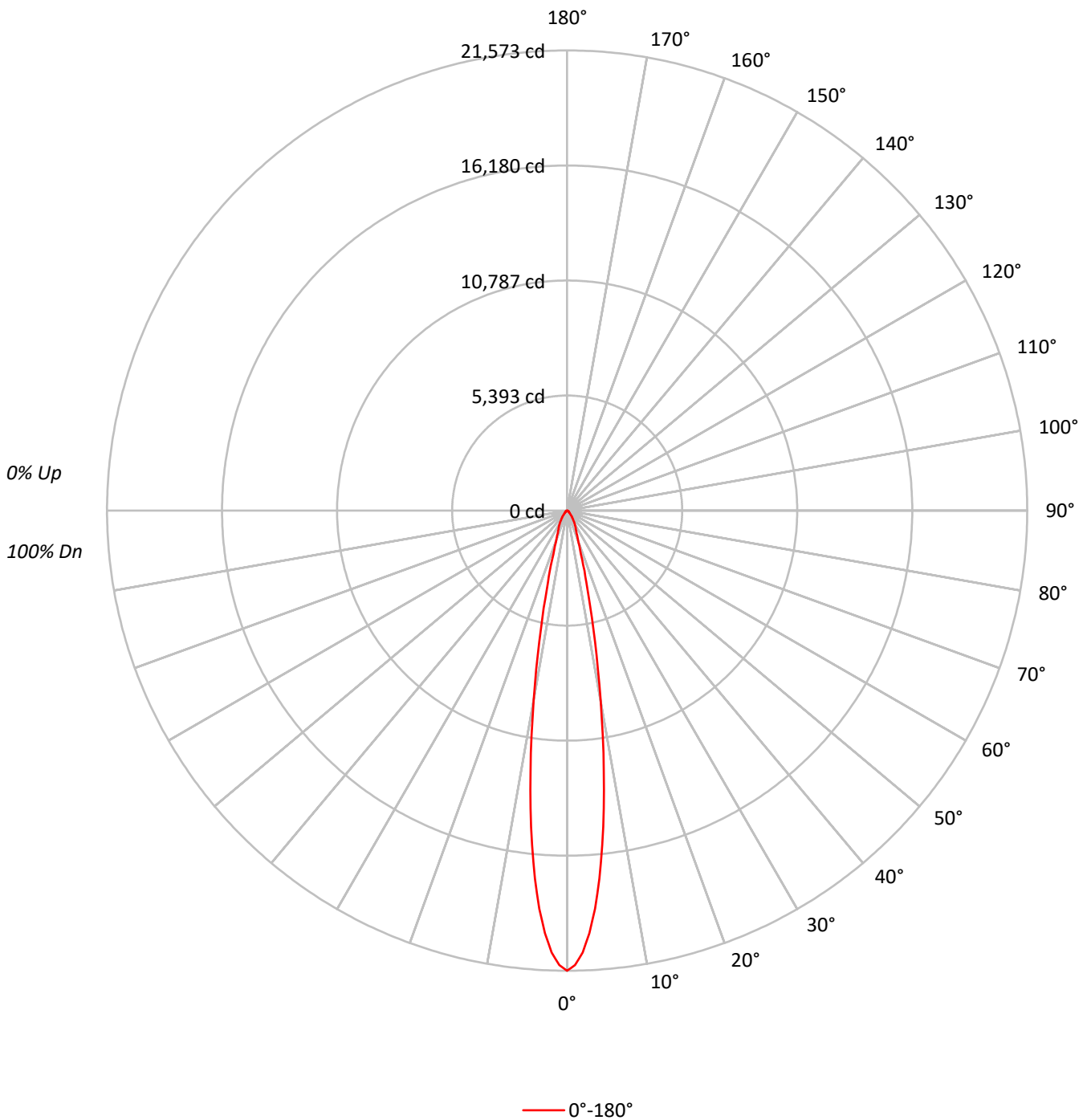
Lumens per Lamp: N/A
Luminaire Lumens: 3435.3 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.31
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87
4	102	96	92	89	101	95	91	88	93	90	87	91	89	86	90	87	85	84
5	99	93	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	82	79	78
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71
10	85	78	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3027505
5°	2438404
10°	1288512
15°	503155
20°	221316
25°	149474
30°	111604
35°	74851
40°	50856
45°	31398
50°	22095
55°	21849
60°	13585
65°	12154
70°	12802
75°	11658
80°	5253
85°	1771



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1374.5	40.0
10°-20°	1053.8	30.7
20°-30°	456.4	13.3
30°-40°	282.5	8.2
40°-50°	134.2	3.9
50°-60°	72.2	2.1
60°-70°	35.8	1.0
70°-80°	21.7	0.6
80°-90°	4.1	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°	2884.7	84.0
0°-40°	3167.3	92.2
0°-60°	3373.7	98.2
0°-90°	3435.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3435.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21573	
5°	17309	###
15°	3463	1054
25°	965	456
35°	437	283
45°	158	134
55°	89	72
65°	37	36
75°	22	22
85°	1	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21572.7
1°	21315.5
2°	20724.7
3°	19842.2
4°	18711.2
5°	17308.9
6°	15766.8
7°	14068.6
8°	12356.5
9°	10637.8
10°	9041.9
11°	7574.0
12°	6275.1
13°	5165.6
14°	4225.0
15°	3463.1
17.5°	2144.8
20°	1481.9
22.5°	1159.0
25°	965.3
27.5°	822.2
30°	688.7
32.5°	553.1
35°	436.9
37.5°	357.3
40°	277.6
42.5°	221.7
45°	158.2
47.5°	133.4
50°	101.2
52.5°	97.9
55°	89.3
57.5°	62.4
60°	48.4
62.5°	48.4
65°	36.6
67.5°	20.4
70°	31.2
72.5°	22.6
75°	21.5
77.5°	19.4
80°	6.5
82.5°	6.5
85°	1.1
87.5°	4.3



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)