

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: P257063

Luminaire Tested: **L806HOWS8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257063
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOWS8027MB
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) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

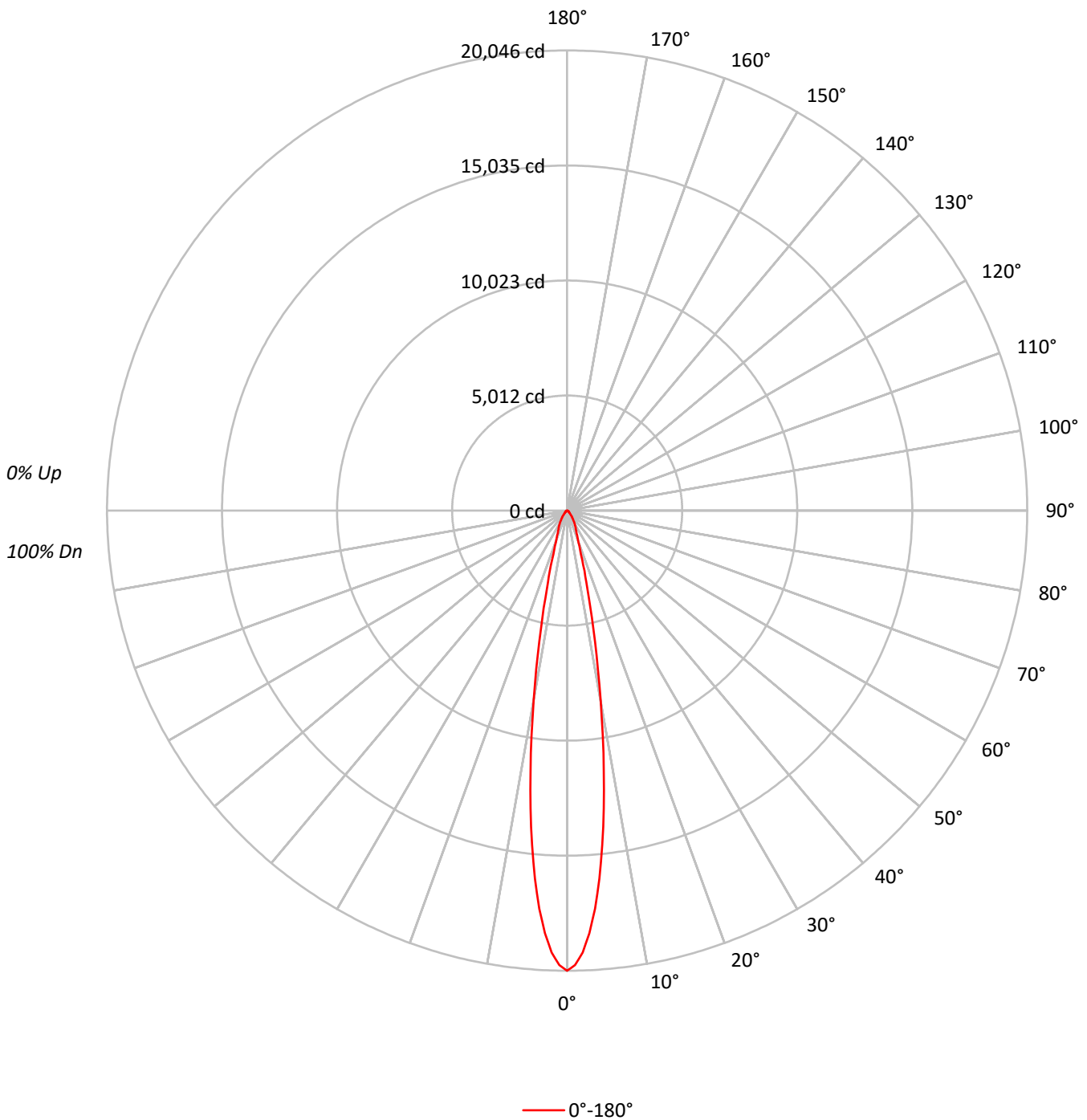
Lumens per Lamp: N/A
Luminaire Lumens: 3192.2 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.31
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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°	2813248
5°	2265845
10°	1197324
15°	467544
20°	205650
25°	138898
30°	103712
35°	69557
40°	47266
45°	29175
50°	20523
55°	20308
60°	12631
65°	11290
70°	11899
75°	10845
80°	4849
85°	1610



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1277.2	40.0
10°-20°	979.2	30.7
20°-30°	424.1	13.3
30°-40°	262.5	8.2
40°-50°	124.7	3.9
50°-60°	67.1	2.1
60°-70°	33.3	1.0
70°-80°	20.2	0.6
80°-90°	3.8	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°	2680.6	84.0
0°-40°	2943.1	92.2
0°-60°	3135.0	98.2
0°-90°	3192.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3192.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20046	
5°	16084	###
15°	3218	979
25°	897	424
35°	406	263
45°	147	125
55°	83	67
65°	34	33
75°	20	20
85°	1	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	20046
1°	19807
2°	19258
3°	18438
4°	17387
5°	16084
6°	14651
7°	13073
8°	11482
9°	9885
10°	8402
11°	7038
12°	5831
13°	4800
14°	3926
15°	3218
17.5°	1993
20°	1377
22.5°	1077
25°	897
27.5°	764
30°	640
32.5°	514
35°	406
37.5°	332
40°	258
42.5°	206
45°	147
47.5°	124
50°	94
52.5°	91
55°	83
57.5°	58
60°	45
62.5°	45
65°	34
67.5°	19
70°	29
72.5°	21
75°	20
77.5°	18
80°	6
82.5°	6
85°	1
87.5°	4



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CANDELA DISTRIBUTION (continued):

90° | ———— 0°
 0

(END OF REPORT)