

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: P22779

Luminaire Tested: **L807NF8040 / L806NF8040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P22779
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L807NF8040 / L806NF8040
Description: HALO LED TRACK FIXTURE WITH NARROW FLOOD OPTIC.
Light Source: (9) 4000K LEDS

Ballast/Driver: -
ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1459.4 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.33
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

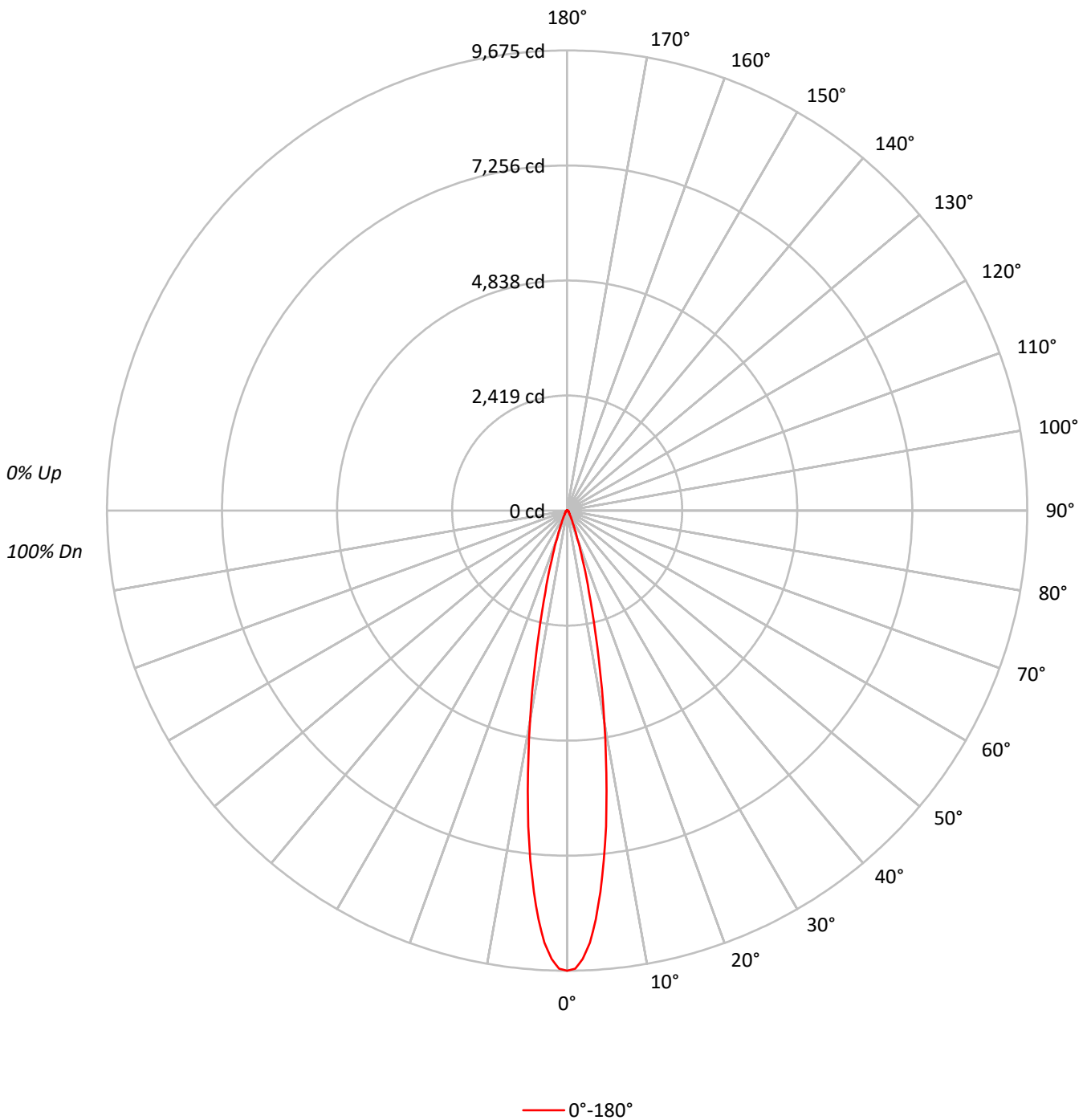
Input Watts (W): 17.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	99	96	105	101	98	95	99	96	93	96	94	92	94	92	91	89
4	104	98	94	91	102	97	94	91	95	92	90	93	91	89	92	90	88	87
5	101	95	91	88	100	94	90	87	92	89	87	91	88	86	90	87	85	84
6	98	92	88	85	97	91	87	84	90	86	84	89	86	83	87	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	86	83	81	86	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2524801
5°	2107454
10°	1192972
15°	476845
20°	174957
25°	74288
30°	43091
35°	26442
40°	20780
45°	12917
50°	16239
55°	13649
60°	10438
65°	16672
70°	6104
75°	6050
80°	12023
85°	35930



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.2	44.5
10°-20°	528.2	36.2
20°-30°	134.8	9.2
30°-40°	55.5	3.8
40°-50°	33.8	2.3
50°-60°	23.4	1.6
60°-70°	19.3	1.3
70°-80°	10.9	0.7
80°-90°	4.4	0.3
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°	1312.2	89.9
0°-40°	1367.7	93.7
0°-60°	1424.8	97.6
0°-90°	1459.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1459.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9675	
5°	8045	649
15°	1765	528
25°	258	135
35°	83	56
45°	35	34
55°	30	23
65°	27	19
75°	6	11
85°	12	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9675
1°	9632
2°	9432
3°	9099
4°	8616
5°	8045
6°	7390
7°	6696
8°	5949
9°	5204
10°	4502
11°	3826
12°	3215
13°	2662
14°	2181
15°	1765
17.5°	1052
20°	630
22.5°	398
25°	258
27.5°	177
30°	143
32.5°	101
35°	83
37.5°	73
40°	61
42.5°	59
45°	35
47.5°	32
50°	40
52.5°	29
55°	30
57.5°	16
60°	20
62.5°	22
65°	27
67.5°	15
70°	8
72.5°	3
75°	6
77.5°	24
80°	8
82.5°	0
85°	12
87.5°	0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)