

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: P22669

Luminaire Tested: **L807NF8030 / L806NF8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P22669
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L807NF8030 / L806NF8030
Description: HALO LED TRACK FIXTURE WITH NARROW FLOOD OPTIC.
Light Source: (9) 3000K LEDS

Ballast/Driver: -
ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1288.7 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.33
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

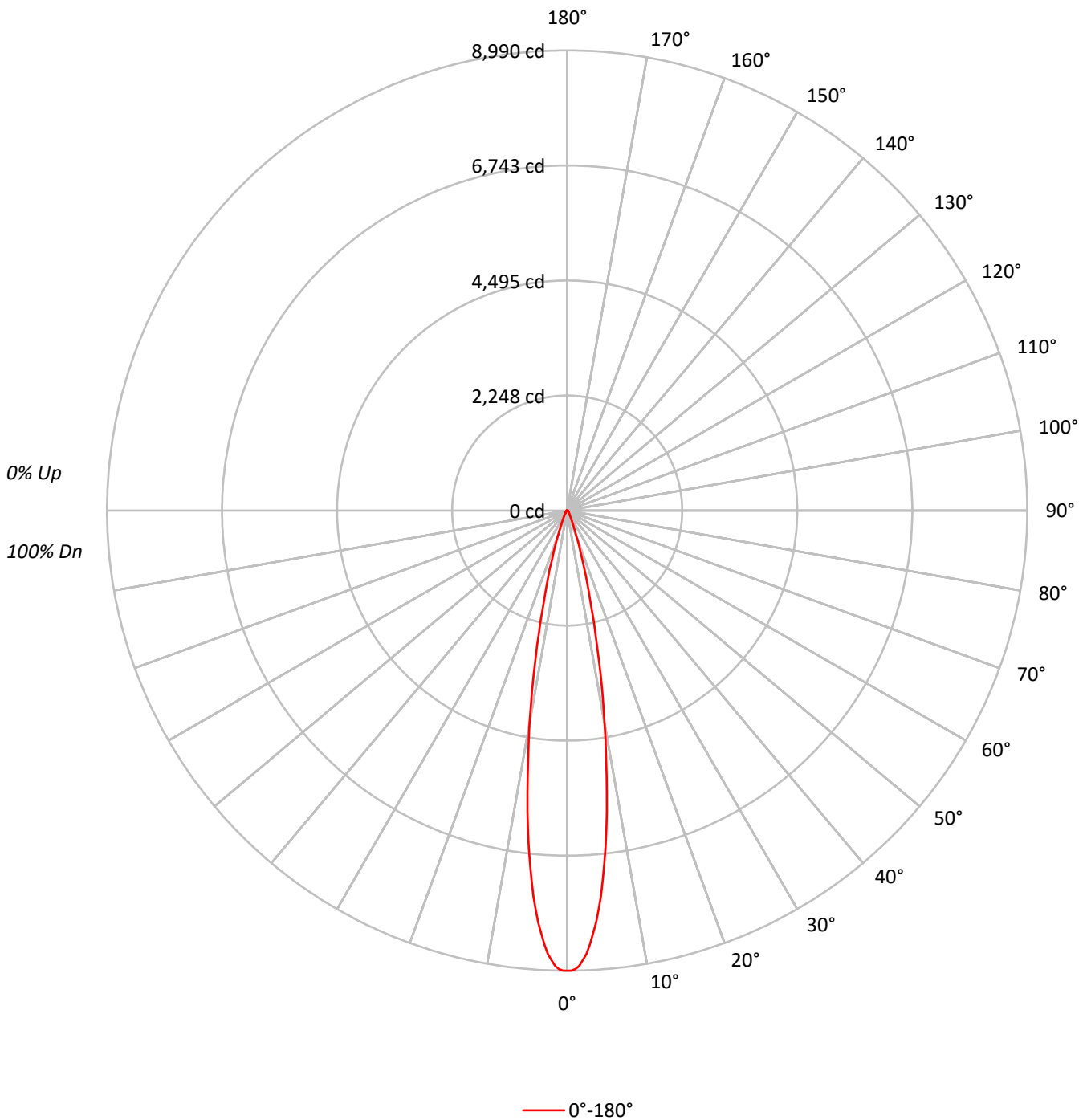
Input Watts (W): 17.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97	
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94	94	
3	108	104	100	97	106	102	99	97	100	97	95	98	96	94	96	94	92	91	91	91	91	
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89	
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86	86	86	86	
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84	84	
7	97	91	87	85	96	91	87	85	90	86	84	89	86	84	88	85	83	82	82	82	82	
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	82	81	81	81	81	
9	93	87	83	81	92	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79	79	
10	91	85	81	79	90	85	81	79	84	81	79	83	80	78	83	80	78	77	77	77	77	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2838729
5°	2396620
10°	1353085
15°	528931
20°	177424
25°	67591
30°	37920
35°	22743
40°	18961
45°	10717
50°	11299
55°	4404
60°	8841
65°	3736
70°	923
75°	4880
80°	12729
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.2	47.2
10°-20°	481.7	37.4
20°-30°	106.0	8.2
30°-40°	42.6	3.3
40°-50°	26.7	2.1
50°-60°	12.1	0.9
60°-70°	5.8	0.4
70°-80°	3.5	0.3
80°-90°	2.0	0.2
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°	1195.9	92.8
0°-40°	1238.5	96.1
0°-60°	1277.4	99.1
0°-90°	1288.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1288.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8990	
5°	7561	608
15°	1618	482
25°	194	106
35°	59	43
45°	24	27
55°	8	12
65°	5	6
75°	4	3
85°	0	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8990
0.5°	8989
1°	8960
1.5°	8905
2°	8783
2.5°	8666
3°	8490
4°	8073
5°	7561
6°	6938
7°	6290
8°	5570
9°	4872
10°	4220
11°	3579
12°	2981
13°	2446
14°	1986
15°	1618
17.5°	924
20°	528
22.5°	319
25°	194
27.5°	134
30°	104
32.5°	78
35°	59
37.5°	63
40°	46
42.5°	48
45°	24
47.5°	33
50°	23
52.5°	17
55°	8
57.5°	11
60°	14
62.5°	4
65°	5
67.5°	7
70°	1
72.5°	1
75°	4
77.5°	4
80°	7



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	3
85°	0
87.5°	1
90°	0

(END OF REPORT)