

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: P23517

Luminaire Tested: **L806HONF8030 / L807HONF8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P23517
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HONF8030 / L807HONF8030
Description: HALO LED HO TRACK, NARROW FLOOD OPTIC, 3000K
Light Source: (15) 3000K LEDS
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2659.8 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.43
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

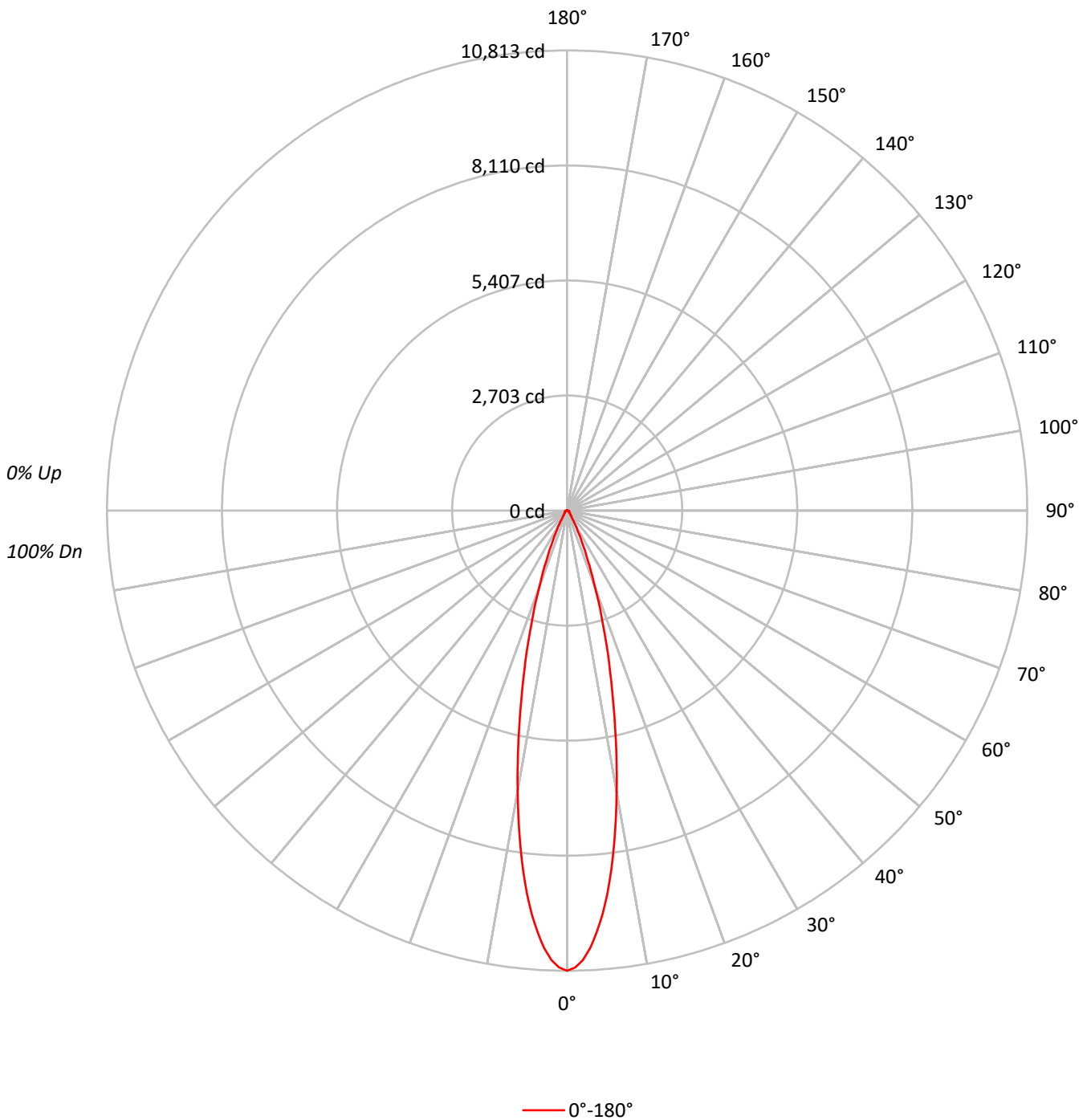
Input Watts (W): 34.4
Input Voltage (V): NR
Input Current (Ain): 0.290
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98	97	96	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	100	95	92	103	98	94	91	96	93	90		93	91	88		91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85		90	87	84		88	86	83	82
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85	82	80	79
6	94	87	82	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80	77	75	73
8	89	81	76	73	88	81	76	73	80	76	73		79	75	72		78	75	72	71
9	86	78	74	71	85	78	74	71	77	73	70		76	73	70		76	72	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1517492
5°	1342123
10°	955351
15°	565179
20°	286596
25°	129917
30°	58986
35°	29639
40°	19969
45°	18458
50°	14628
55°	14436
60°	15718
65°	15275
70°	20106
75°	19520
80°	21013
85°	14492



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.2	30.7
10°-20°	1074.1	40.4
20°-30°	419.6	15.8
30°-40°	122.2	4.6
40°-50°	70.9	2.7
50°-60°	56.2	2.1
60°-70°	50.2	1.9
70°-80°	33.9	1.3
80°-90°	15.5	0.6
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°	2310.9	86.9
0°-40°	2433.1	91.5
0°-60°	2560.1	96.3
0°-90°	2659.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2659.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10813	
5°	9527	817
15°	3890	1074
25°	839	420
35°	173	122
45°	93	71
55°	59	56
65°	46	50
75°	36	34
85°	9	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	10813
1°	10738
2°	10566
3°	10296
4°	9938
5°	9527
6°	9050
7°	8515
8°	7934
9°	7321
10°	6704
11°	6101
12°	5508
13°	4918
14°	4378
15°	3890
17.5°	2782
20°	1919
22.5°	1274
25°	839
27.5°	549
30°	364
32.5°	246
35°	173
37.5°	141
40°	109
42.5°	99
45°	93
47.5°	88
50°	67
52.5°	61
55°	59
57.5°	69
60°	56
62.5°	54
65°	46
67.5°	50
70°	49
72.5°	30
75°	36
77.5°	25
80°	26
82.5°	17
85°	9
87.5°	18



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)