

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: P22781

Luminaire Tested: **L807FL8040 / L806FL8040**

Test Date: 10/04/12

Test Information

Test Method: LM-79-08
Report Number: P22781
Test Lab: INNOVATION CENTER P2
Test Date: 10/04/12
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L807FL8040 / L806FL8040
Description: HALO LED TRACK FIXTURE WITH 4000K WITH FLOOD OPTIC.
Light Source: 4000K LEDS

Ballast/Driver: -
ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1420.7 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.62 / 0.6
Luminous Opening: Circular (Dia: 0.23' x H: 0')
CIE Type: Direct

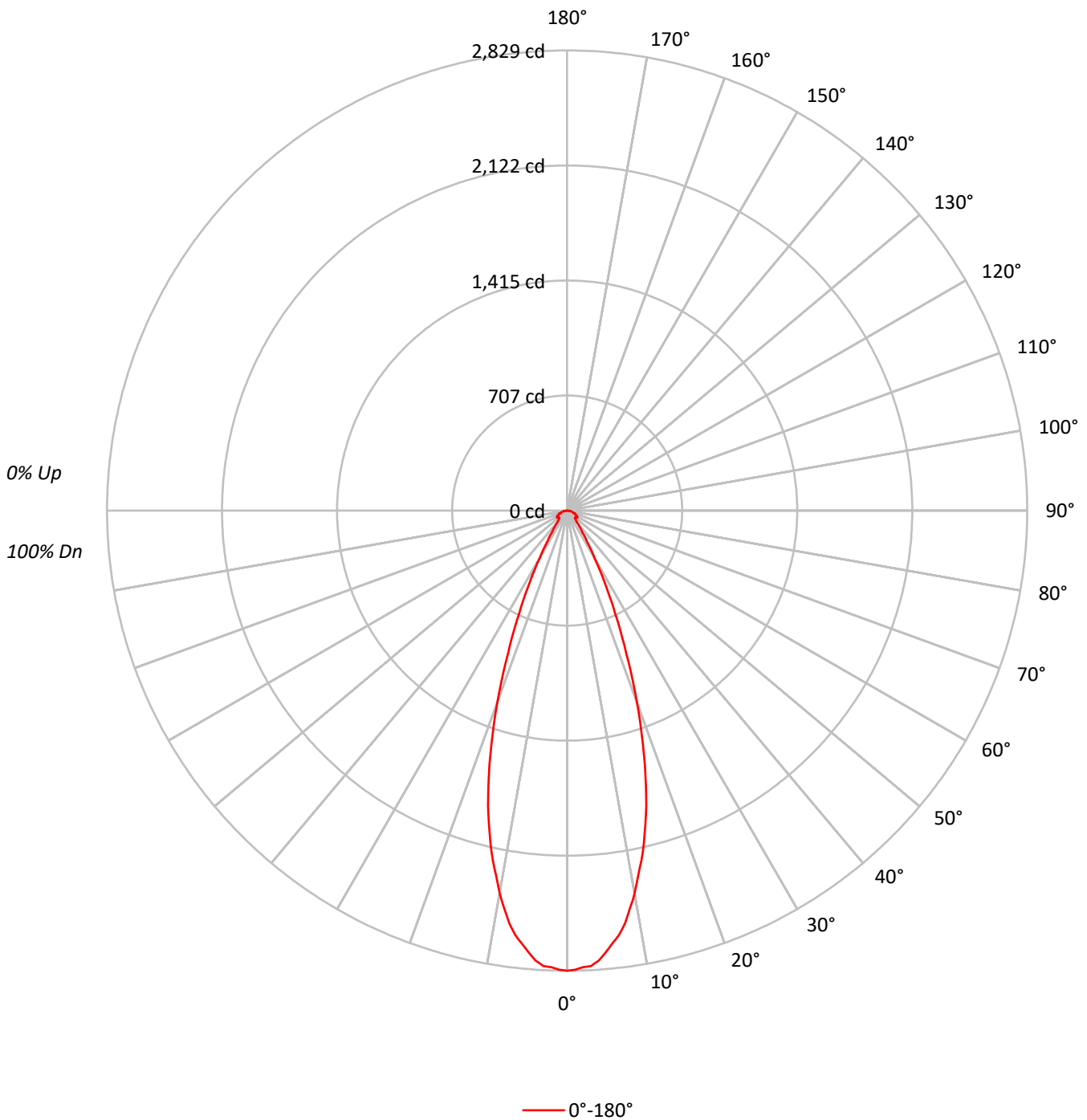
Input Watts (W): 17.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P22781

CATALOG NUMBER: L807FL8040 / L806FL8040

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	113	110	107	105	110	108	105	103	104	102	100		100	98	97		96	95	94	92
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91	89	87	85
3	102	95	90	86	100	94	89	85	91	87	84		88	85	82		86	83	81	79
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82	79	76	74
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78	75	72	70
6	88	80	74	70	87	79	73	69	77	72	69		76	72	68		75	71	68	67
7	85	76	70	66	83	75	70	66	74	69	65		73	68	65		71	68	65	63
8	81	72	66	62	80	72	66	62	71	66	62		69	65	62		69	65	62	60
9	78	69	63	60	77	68	63	59	68	63	59		67	62	59		66	62	59	58
10	75	66	61	57	74	66	60	57	65	60	57		64	60	57		63	59	56	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	738260
5°	714098
10°	633319
15°	507914
20°	347970
25°	200693
30°	102754
35°	52565
40°	31341
45°	24727
50°	29231
55°	34578
60°	33925
65°	34579
70°	41965
75°	35290
80°	31559
85°	26948



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.8	17.6
10°-20°	508.8	35.8
20°-30°	327.8	23.1
30°-40°	113.7	8.0
40°-50°	56.7	4.0
50°-60°	63.8	4.5
60°-70°	56.4	4.0
70°-80°	34.2	2.4
80°-90°	9.4	0.7
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°	1086.4	76.5
0°-40°	1200.1	84.5
0°-60°	1320.6	93.0
0°-90°	1420.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2829	
5°	2726	250
15°	1880	509
25°	697	328
35°	165	114
45°	67	57
55°	76	64
65°	56	56
75°	35	34
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2829
1°	2823
2°	2809
3°	2804
4°	2774
5°	2726
6°	2675
7°	2627
8°	2561
9°	2474
10°	2390
11°	2287
12°	2197
13°	2099
14°	1987
15°	1880
17.5°	1570
20°	1253
22.5°	948
25°	697
27.5°	497
30°	341
32.5°	234
35°	165
37.5°	127
40°	92
42.5°	80
45°	67
47.5°	65
50°	72
52.5°	65
55°	76
57.5°	75
60°	65
62.5°	68
65°	56
67.5°	44
70°	55
72.5°	37
75°	35
77.5°	20
80°	21
82.5°	7
85°	9
87.5°	8



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)