

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: P184106

Luminaire Tested: **L80815FL9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815FL9040P
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, WHITE

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1597.8 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

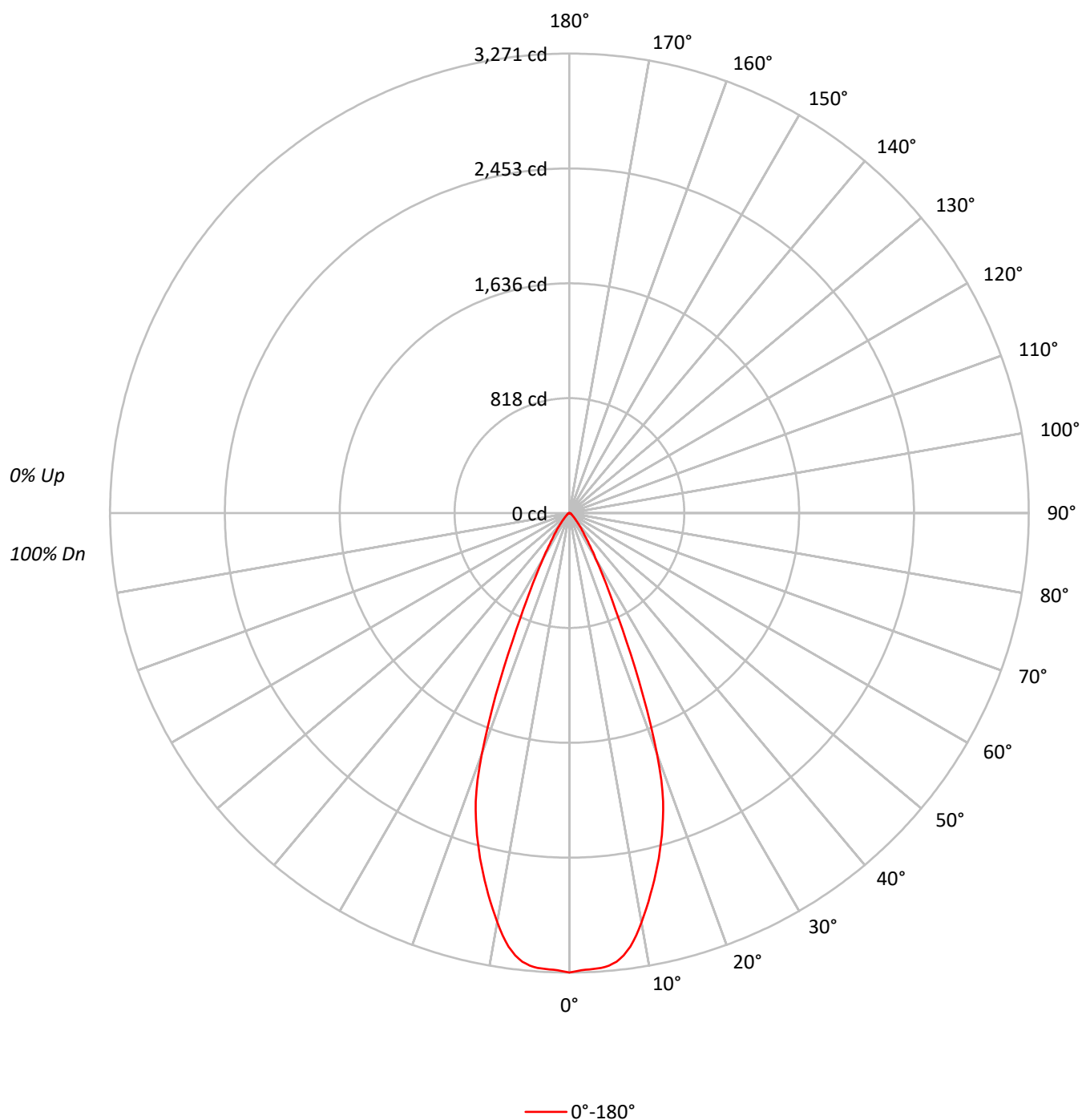
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95								
2	109	105	102	99	107	103	100	97	100	98	95	97	95	93	95	93	91	90								
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85								
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81								
5	97	90	85	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77								
6	93	85	80	77	92	85	80	76	83	79	76	82	78	75	81	77	75	74								
7	89	81	76	73	88	81	76	73	80	75	72	79	75	72	78	74	72	70								
8	86	78	73	69	85	77	73	69	76	72	69	75	72	69	75	71	68	67								
9	83	75	70	66	82	74	70	66	73	69	66	73	69	66	72	68	66	65								
10	80	72	67	64	79	71	67	64	71	66	63	70	66	63	69	66	63	62								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	717223
5°	711819
10°	658149
15°	564998
20°	425964
25°	199971
30°	94318
35°	48613
40°	27051
45°	15505
50°	10132
55°	7073
60°	5701
65°	5759
70°	5963
75°	4745
80°	4672
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	18.8
10°-20°	681.9	42.7
20°-30°	414.4	25.9
30°-40°	122.7	7.7
40°-50°	41.9	2.6
50°-60°	18.0	1.1
60°-70°	11.0	0.7
70°-80°	6.6	0.4
80°-90°	1.0	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°	1396.7	87.4
0°-40°	1519.4	95.1
0°-60°	1579.2	98.8
0°-90°	1597.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3271	
5°	3234	300
15°	2489	682
25°	826	414
35°	182	123
45°	50	42
55°	18	18
65°	11	11
75°	6	7
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3270.8
1°	3259.7
2°	3252.3
3°	3250.5
4°	3246.8
5°	3233.8
6°	3211.5
7°	3172.6
8°	3117.0
9°	3042.9
10°	2955.8
11°	2868.7
12°	2776.0
13°	2683.4
14°	2588.9
15°	2488.8
16°	2386.9
17°	2277.5
18°	2158.9
19°	2012.5
20°	1825.4
21°	1614.1
22°	1399.1
23°	1195.3
24°	1000.7
25°	826.5
26°	700.5
27°	606.0
28°	520.7
29°	442.9
30°	372.5
32.5°	257.6
35°	181.6
37.5°	129.7
40°	94.5
42.5°	68.6
45°	50.0
47.5°	38.9
50°	29.7
52.5°	24.1
55°	18.5
57.5°	16.7
60°	13.0
62.5°	13.0
65°	11.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.3
70°	9.3
72.5°	7.4
75°	5.6
77.5°	5.6
80°	3.7
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)