

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: P184110

Luminaire Tested: **L80815FL9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184110
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: L80815FL9027AH
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1277.0 lumens
Efficiency: N/A
Efficacy: 61.7 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

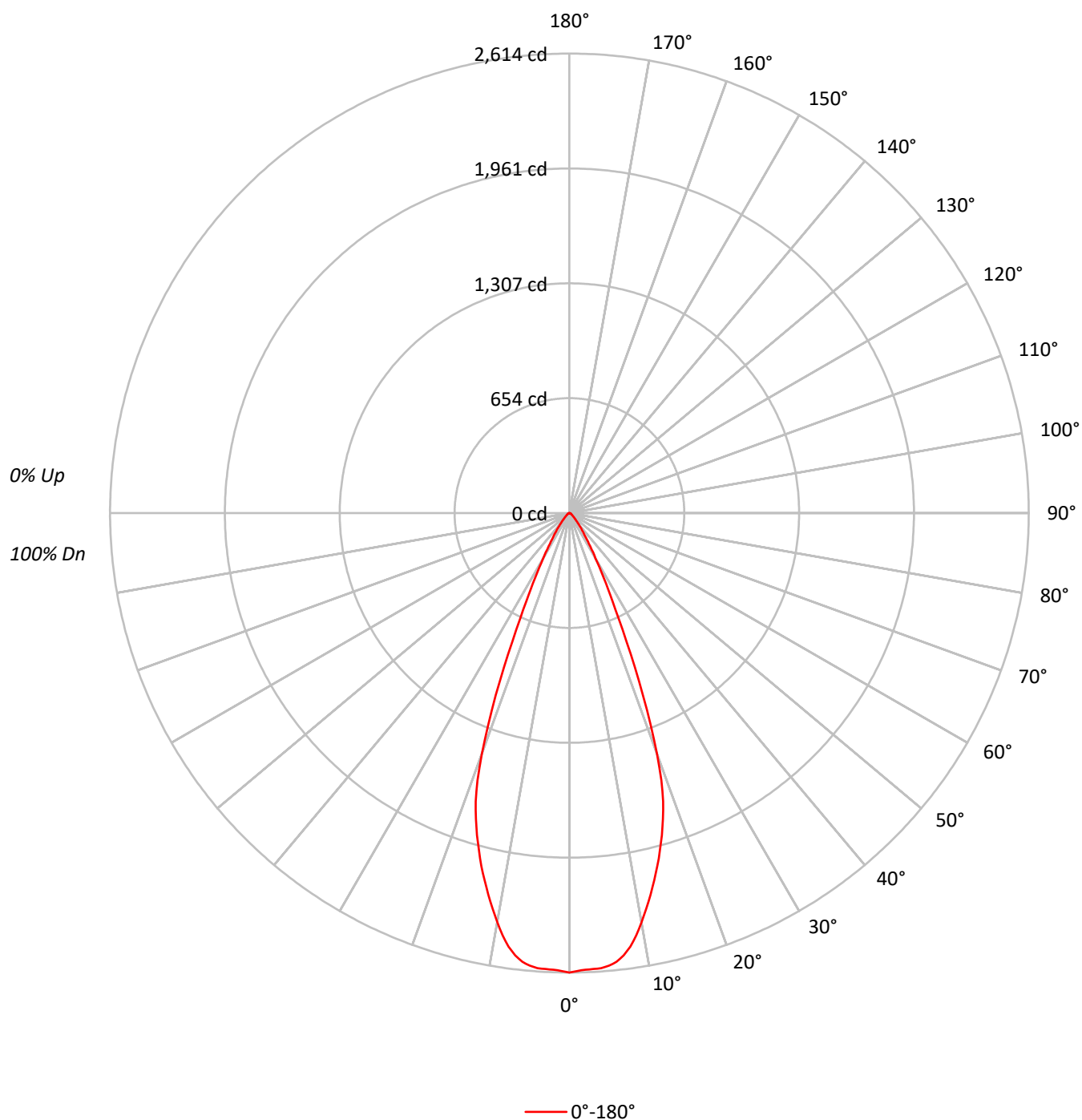
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	573222
5°	568896
10°	526020
15°	451558
20°	340440
25°	159832
30°	75379
35°	38842
40°	21612
45°	12404
50°	8085
55°	5658
60°	4561
65°	4618
70°	4744
75°	3728
80°	3788
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.1	18.8
10°-20°	545.0	42.7
20°-30°	331.2	25.9
30°-40°	98.1	7.7
40°-50°	33.4	2.6
50°-60°	14.3	1.1
60°-70°	8.8	0.7
70°-80°	5.2	0.4
80°-90°	0.8	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°	1116.3	87.4
0°-40°	1214.3	95.1
0°-60°	1262.1	98.8
0°-90°	1277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1277.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2614	
5°	2584	240
15°	1989	545
25°	661	331
35°	145	98
45°	40	33
55°	15	14
65°	9	9
75°	4	5
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2614.1
1°	2605.3
2°	2599.3
3°	2597.8
4°	2594.9
5°	2584.5
6°	2566.7
7°	2535.6
8°	2491.2
9°	2432.0
10°	2362.4
11°	2292.7
12°	2218.7
13°	2144.6
14°	2069.1
15°	1989.1
16°	1907.7
17°	1820.3
18°	1725.5
19°	1608.5
20°	1458.9
21°	1290.0
22°	1118.2
23°	955.3
24°	799.8
25°	660.6
26°	559.9
27°	484.3
28°	416.2
29°	354.0
30°	297.7
32.5°	205.9
35°	145.1
37.5°	103.7
40°	75.5
42.5°	54.8
45°	40.0
47.5°	31.1
50°	23.7
52.5°	19.3
55°	14.8
57.5°	13.3
60°	10.4
62.5°	10.4
65°	8.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.4
70°	7.4
72.5°	5.9
75°	4.4
77.5°	4.4
80°	3.0
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)