

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: P188920

Luminaire Tested: **L80815FL9035AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188920
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: L80815FL9035AH
Description: HALO TRACK LL LED 08, 1500 LM, FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1469.7 lumens
Efficiency: N/A
Efficacy: 71.0 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

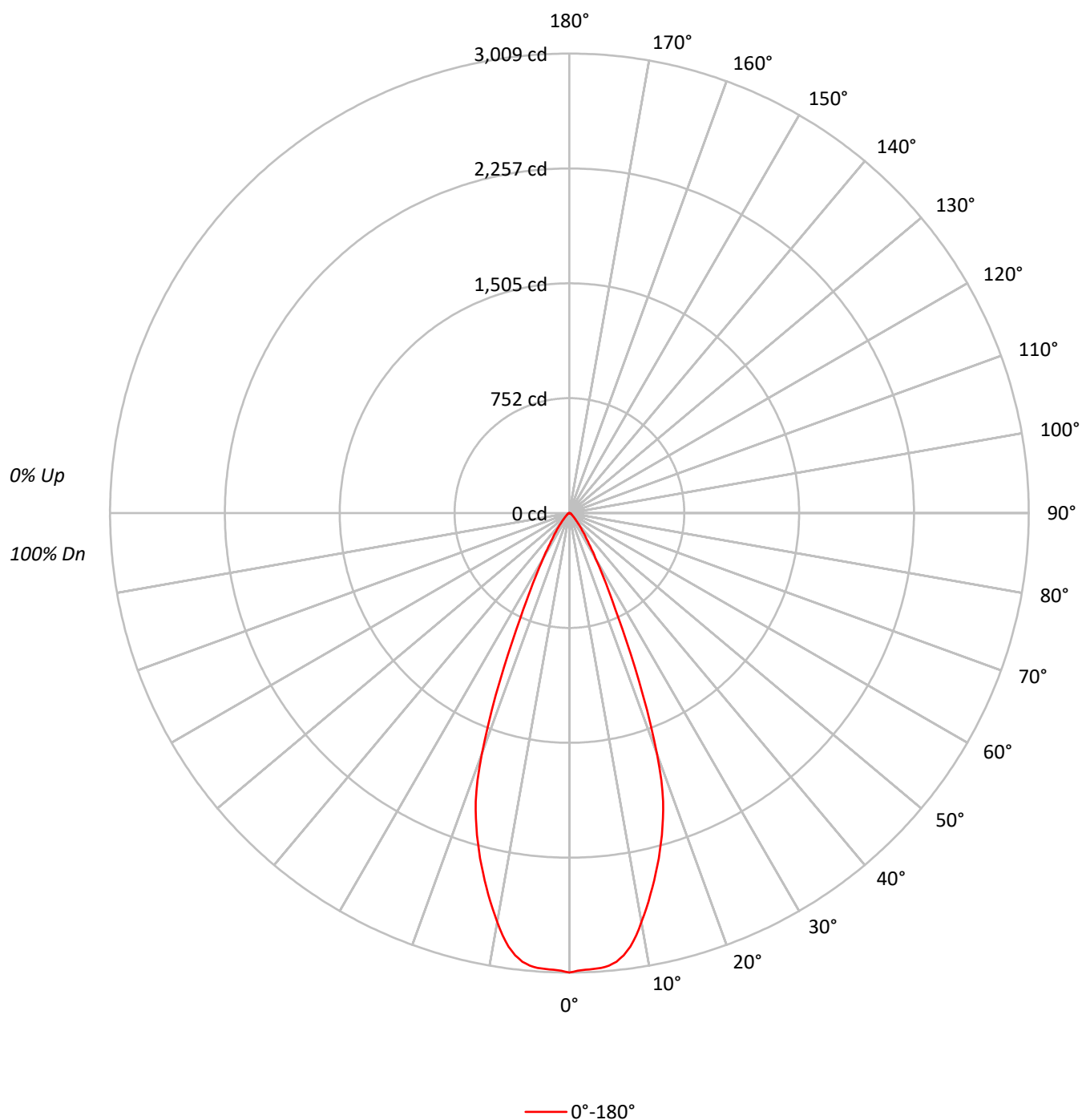
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	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°	659750
5°	654764
10°	605400
15°	519731
20°	391824
25°	183954
30°	86748
35°	44731
40°	24875
45°	14265
50°	9313
55°	6499
60°	5219
65°	5292
70°	5450
75°	4321
80°	4293
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.3	18.8
10°-20°	627.3	42.7
20°-30°	381.2	25.9
30°-40°	112.9	7.7
40°-50°	38.5	2.6
50°-60°	16.5	1.1
60°-70°	10.1	0.7
70°-80°	6.1	0.4
80°-90°	0.9	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°	1284.7	87.4
0°-40°	1397.6	95.1
0°-60°	1452.6	98.8
0°-90°	1469.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1469.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3009	
5°	2975	276
15°	2289	627
25°	760	381
35°	167	113
45°	46	38
55°	17	16
65°	10	10
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3008.7
1°	2998.5
2°	2991.7
3°	2990.0
4°	2986.6
5°	2974.6
6°	2954.2
7°	2918.4
8°	2867.2
9°	2799.1
10°	2718.9
11°	2638.8
12°	2553.6
13°	2468.4
14°	2381.4
15°	2289.4
16°	2195.6
17°	2095.0
18°	1985.9
19°	1851.3
20°	1679.1
21°	1484.8
22°	1287.0
23°	1099.5
24°	920.5
25°	760.3
26°	644.4
27°	557.4
28°	479.0
29°	407.4
30°	342.6
32.5°	236.9
35°	167.1
37.5°	119.3
40°	86.9
42.5°	63.1
45°	46.0
47.5°	35.8
50°	27.3
52.5°	22.2
55°	17.0
57.5°	15.3
60°	11.9
62.5°	11.9
65°	10.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.5
70°	8.5
72.5°	6.8
75°	5.1
77.5°	5.1
80°	3.4
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)