

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: P188911

Luminaire Tested: **L80825FL9035AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27072)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9035AH
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2349.7 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

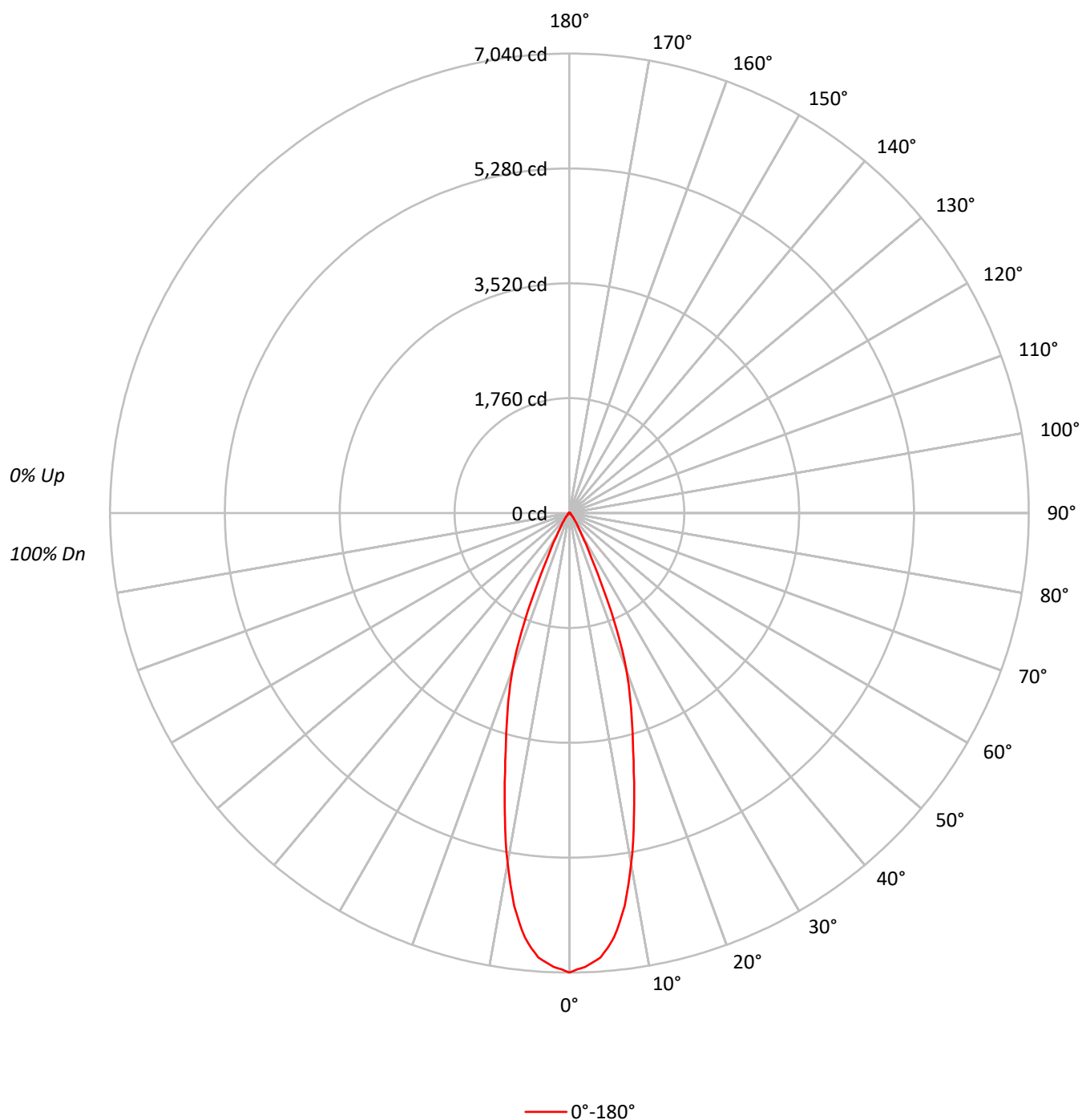
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96							
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92							
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88							
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84							
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81							
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78							
7	92	85	81	77	91	85	80	77	84	80	77	83	79	77	82	78	76	75							
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72							
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	76	73	71	70							
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	868329
5°	828817
10°	682955
15°	482770
20°	334166
25°	139663
30°	51074
35°	26231
40°	13928
45°	5774
50°	5124
55°	5462
60°	321
65°	379
70°	0
75°	620
80°	1776
85°	1840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.6	25.5
10°-20°	1053.7	44.8
20°-30°	523.6	22.3
30°-40°	116.4	5.0
40°-50°	35.6	1.5
50°-60°	13.4	0.6
60°-70°	3.3	0.1
70°-80°	2.7	0.1
80°-90°	1.4	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°	2176.9	92.6
0°-40°	2293.4	97.6
0°-60°	2342.3	99.7
0°-90°	2349.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2349.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7040	
5°	6694	600
15°	3781	1054
25°	1026	524
35°	174	116
45°	33	36
55°	25	13
65°	1	3
75°	1	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7039.8
1°	6991.5
2°	6959.7
3°	6892.3
4°	6824.9
5°	6693.9
6°	6538.8
7°	6318.8
8°	6075.9
9°	5773.2
10°	5452.8
11°	5123.4
12°	4753.4
13°	4411.3
14°	4076.9
15°	3780.6
16°	3511.0
17°	3254.1
18°	3027.8
19°	2792.5
20°	2545.8
21°	2261.0
22°	1957.1
23°	1631.5
24°	1303.4
25°	1026.2
26°	797.3
27°	643.4
28°	536.6
29°	418.4
30°	358.6
32.5°	242.9
35°	174.2
37.5°	122.1
40°	86.5
42.5°	67.4
45°	33.1
47.5°	30.5
50°	26.7
52.5°	5.1
55°	25.4
57.5°	15.3
60°	1.3
62.5°	6.4
65°	1.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.1
70°	0.0
72.5°	2.5
75°	1.3
77.5°	5.1
80°	2.5
82.5°	2.5
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)