

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: P188905

Luminaire Tested: **L80825NF9035AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27070)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9035AH
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2350.9 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

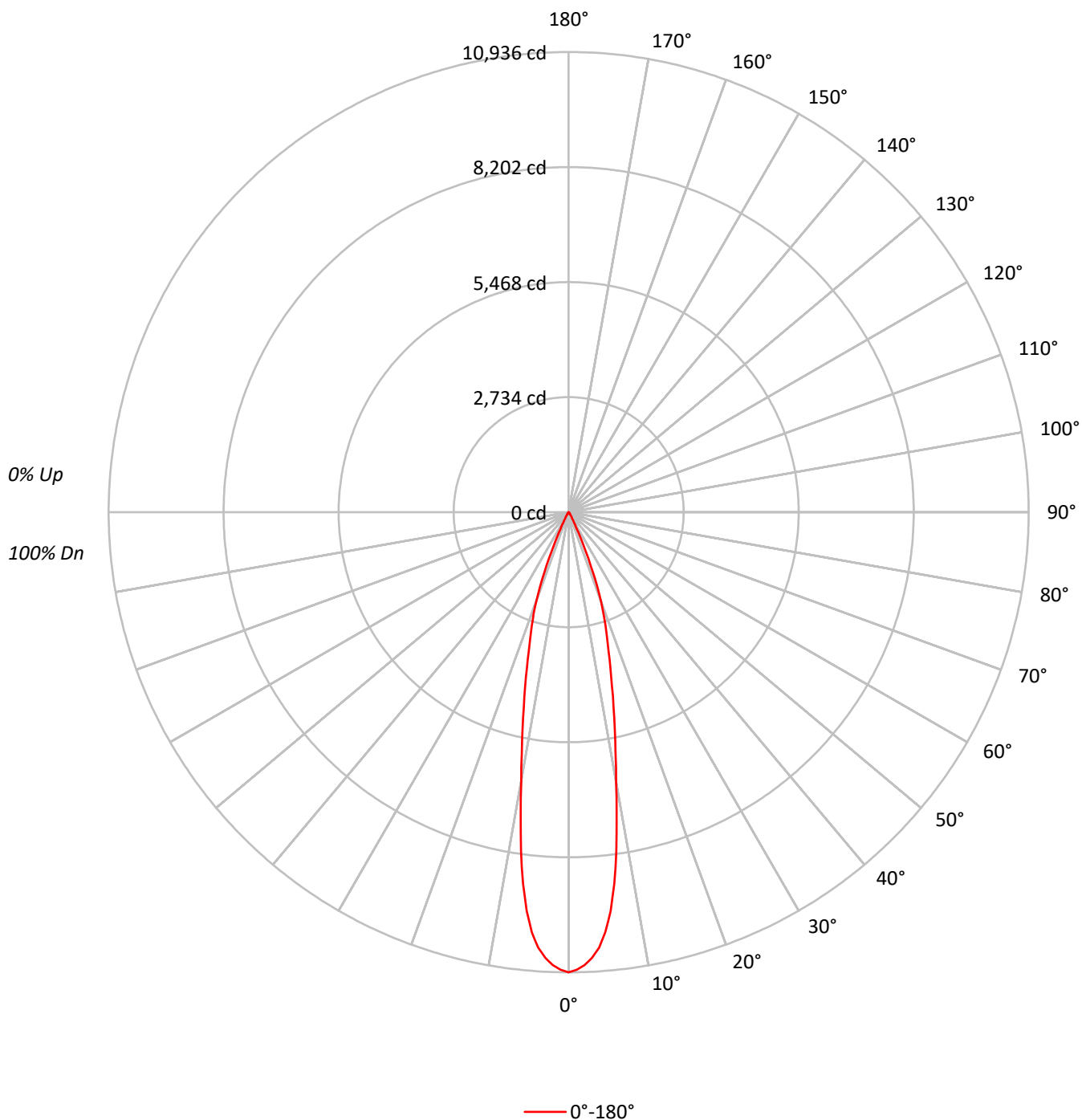
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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					100			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97					97			
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94					94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91					91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88					88			
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85					85			
6	99	93	89	86	98	92	88	85	91	87	85	89	87	84	88	86	84	83					83			
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81					81			
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78					78			
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76					76			
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74					74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1348895
5°	1240681
10°	813701
15°	489360
20°	294223
25°	87156
30°	21065
35°	8327
40°	4557
45°	2913
50°	2226
55°	1656
60°	1258
65°	759
70°	938
75°	620
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.3	35.7
10°-20°	1078.6	45.9
20°-30°	367.1	15.6
30°-40°	40.4	1.7
40°-50°	13.9	0.6
50°-60°	7.0	0.3
60°-70°	3.2	0.1
70°-80°	1.4	0.1
80°-90°	0.0	0.0
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°	2285.0	97.2
0°-40°	2325.4	98.9
0°-60°	2346.3	99.8
0°-90°	2350.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2350.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10936	
5°	10020	839
15°	3832	1079
25°	640	367
35°	55	40
45°	17	14
55°	8	7
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10935.9
1°	10878.1
2°	10771.3
3°	10608.0
4°	10372.7
5°	10020.3
6°	9526.5
7°	8901.5
8°	8131.2
9°	7286.3
10°	6496.7
11°	5853.8
12°	5262.2
13°	4745.2
14°	4265.6
15°	3832.2
16°	3446.4
17°	3121.1
18°	2833.0
19°	2550.1
20°	2241.5
21°	1896.8
22°	1539.3
23°	1205.0
24°	898.9
25°	640.4
26°	442.4
27°	324.1
28°	253.3
29°	196.8
30°	147.9
32.5°	83.6
35°	55.3
37.5°	38.6
40°	28.3
42.5°	21.9
45°	16.7
47.5°	14.1
50°	11.6
52.5°	9.0
55°	7.7
57.5°	6.4
60°	5.1
62.5°	3.9
65°	2.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	2.6
70°	2.6
72.5°	1.3
75°	1.3
77.5°	1.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)