

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: P188923

Luminaire Tested: **L80808FL9035AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188923
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: L80808FL9035AH
Description: HALO TRACK L LED 08, 850 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 965.6 lumens
Efficiency: N/A
Efficacy: 81.1 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

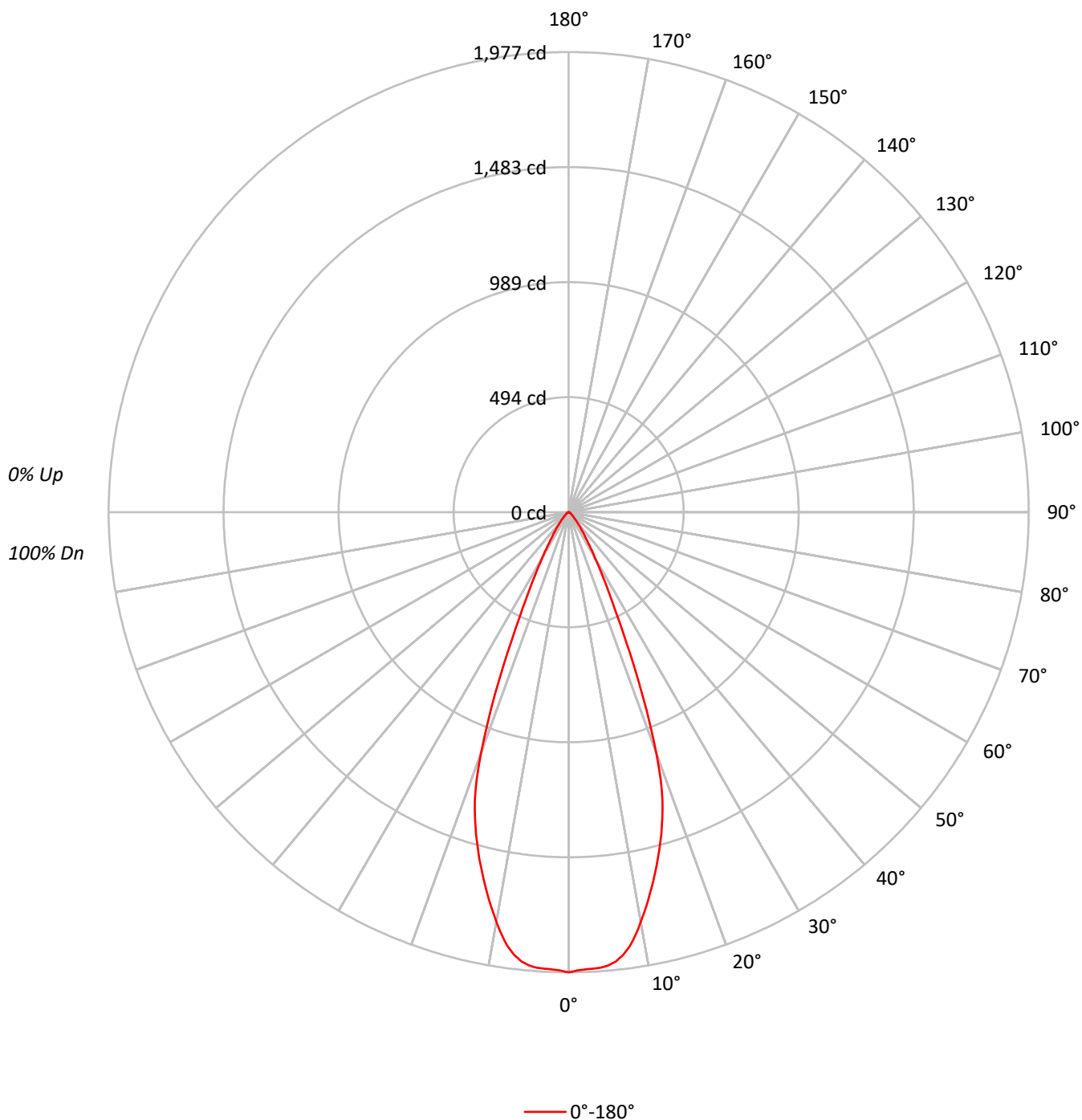
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	433474
5°	430199
10°	397766
15°	341455
20°	257436
25°	120854
30°	56996
35°	29393
40°	16345
45°	9365
50°	6106
55°	4282
60°	3421
65°	3476
70°	3590
75°	2881
80°	2778
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	18.8
10°-20°	412.1	42.7
20°-30°	250.4	25.9
30°-40°	74.2	7.7
40°-50°	25.3	2.6
50°-60°	10.9	1.1
60°-70°	6.6	0.7
70°-80°	4.0	0.4
80°-90°	0.6	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°	844.1	87.4
0°-40°	918.3	95.1
0°-60°	954.4	98.8
0°-90°	965.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	965.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1977	
5°	1954	182
15°	1504	412
25°	500	250
35°	110	74
45°	30	25
55°	11	11
65°	7	7
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1976.8
1°	1970.1
2°	1965.6
3°	1964.5
4°	1962.2
5°	1954.4
6°	1940.9
7°	1917.4
8°	1883.8
9°	1839.0
10°	1786.4
11°	1733.7
12°	1677.7
13°	1621.7
14°	1564.6
15°	1504.1
16°	1442.5
17°	1376.5
18°	1304.8
19°	1216.3
20°	1103.2
21°	975.5
22°	845.6
23°	722.4
24°	604.8
25°	499.5
26°	423.4
27°	366.2
28°	314.7
29°	267.7
30°	225.1
32.5°	155.7
35°	109.8
37.5°	78.4
40°	57.1
42.5°	41.4
45°	30.2
47.5°	23.5
50°	17.9
52.5°	14.6
55°	11.2
57.5°	10.1
60°	7.8
62.5°	7.8
65°	6.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.6
70°	5.6
72.5°	4.5
75°	3.4
77.5°	3.4
80°	2.2
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)