

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: P184075

Luminaire Tested: **L80815NF9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815NF9030AH
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, ALUMINIUM HAZE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.7 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

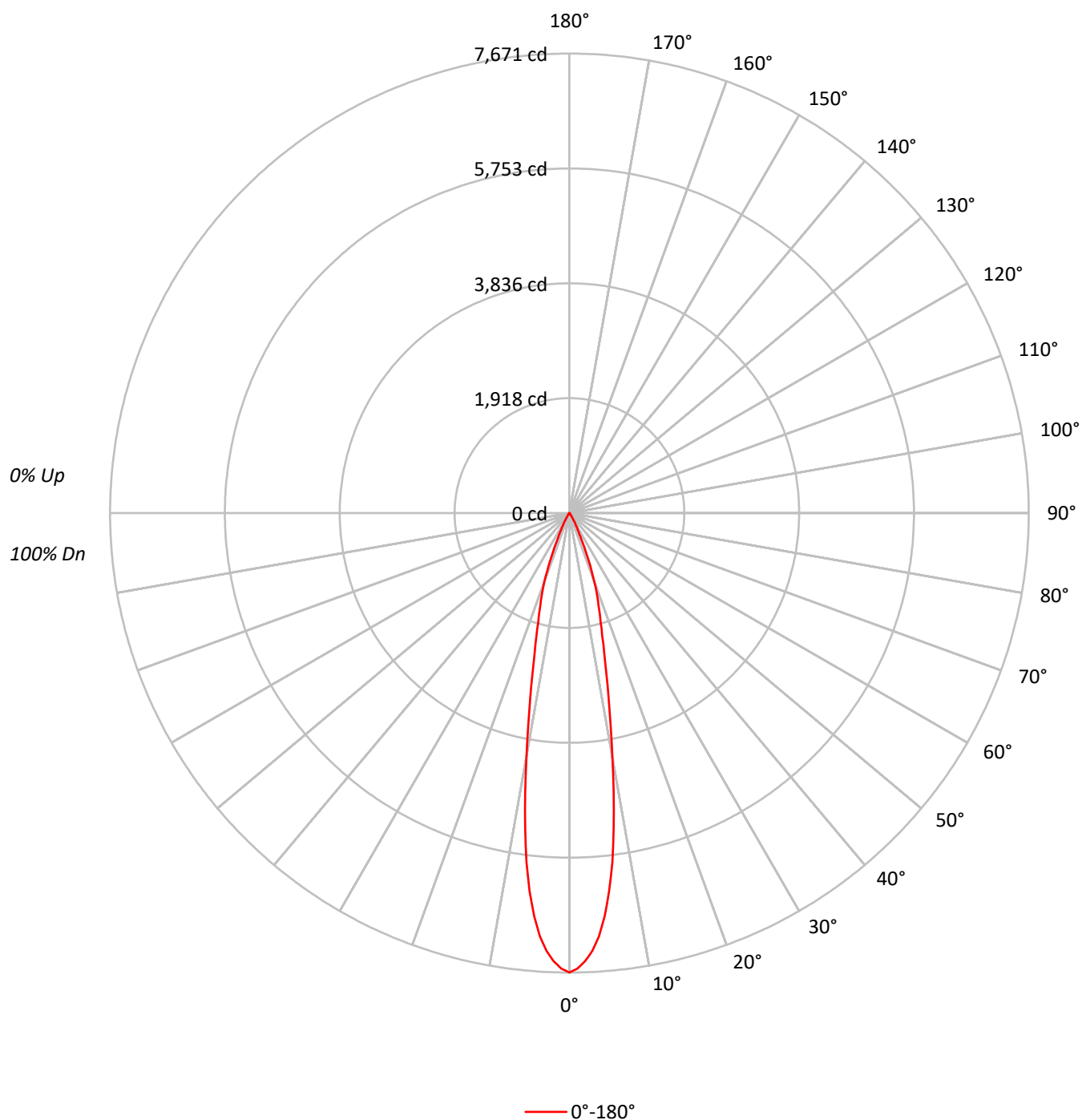
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1682124
5°	1486943
10°	921827
15°	480752
20°	283455
25°	104353
30°	36411
35°	9075
40°	5095
45°	3504
50°	3309
55°	3097
60°	2851
65°	3373
70°	3077
75°	2711
80°	2020
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.5	38.2
10°-20°	615.3	42.0
20°-30°	230.9	15.8
30°-40°	31.3	2.1
40°-50°	9.8	0.7
50°-60°	7.3	0.5
60°-70°	6.2	0.4
70°-80°	3.8	0.3
80°-90°	0.7	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°	1404.7	96.0
0°-40°	1436.0	98.1
0°-60°	1453.0	99.3
0°-90°	1463.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7671	
5°	6755	558
15°	2118	615
25°	431	231
35°	34	31
45°	11	10
55°	8	7
65°	6	6
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7671.1
1°	7606.5
2°	7487.0
3°	7317.4
4°	7081.5
5°	6755.2
6°	6349.8
7°	5874.9
8°	5312.8
9°	4723.2
10°	4140.0
11°	3603.8
12°	3138.6
13°	2731.5
14°	2400.4
15°	2117.7
16°	1893.1
17°	1702.5
18°	1542.6
19°	1385.9
20°	1214.7
21°	1035.4
22°	862.6
23°	699.4
24°	555.7
25°	431.3
26°	344.1
27°	285.9
28°	235.8
29°	187.4
30°	143.8
32.5°	71.1
35°	33.9
37.5°	22.6
40°	17.8
42.5°	14.5
45°	11.3
47.5°	11.3
50°	9.7
52.5°	8.1
55°	8.1
57.5°	8.1
60°	6.5
62.5°	6.5
65°	6.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.5
70°	4.8
72.5°	4.8
75°	3.2
77.5°	3.2
80°	1.6
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)