

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: P188916

Luminaire Tested: **L80815NF9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188916
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: L80815NF9035P
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1587.2 lumens
Efficiency: N/A
Efficacy: 76.7 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

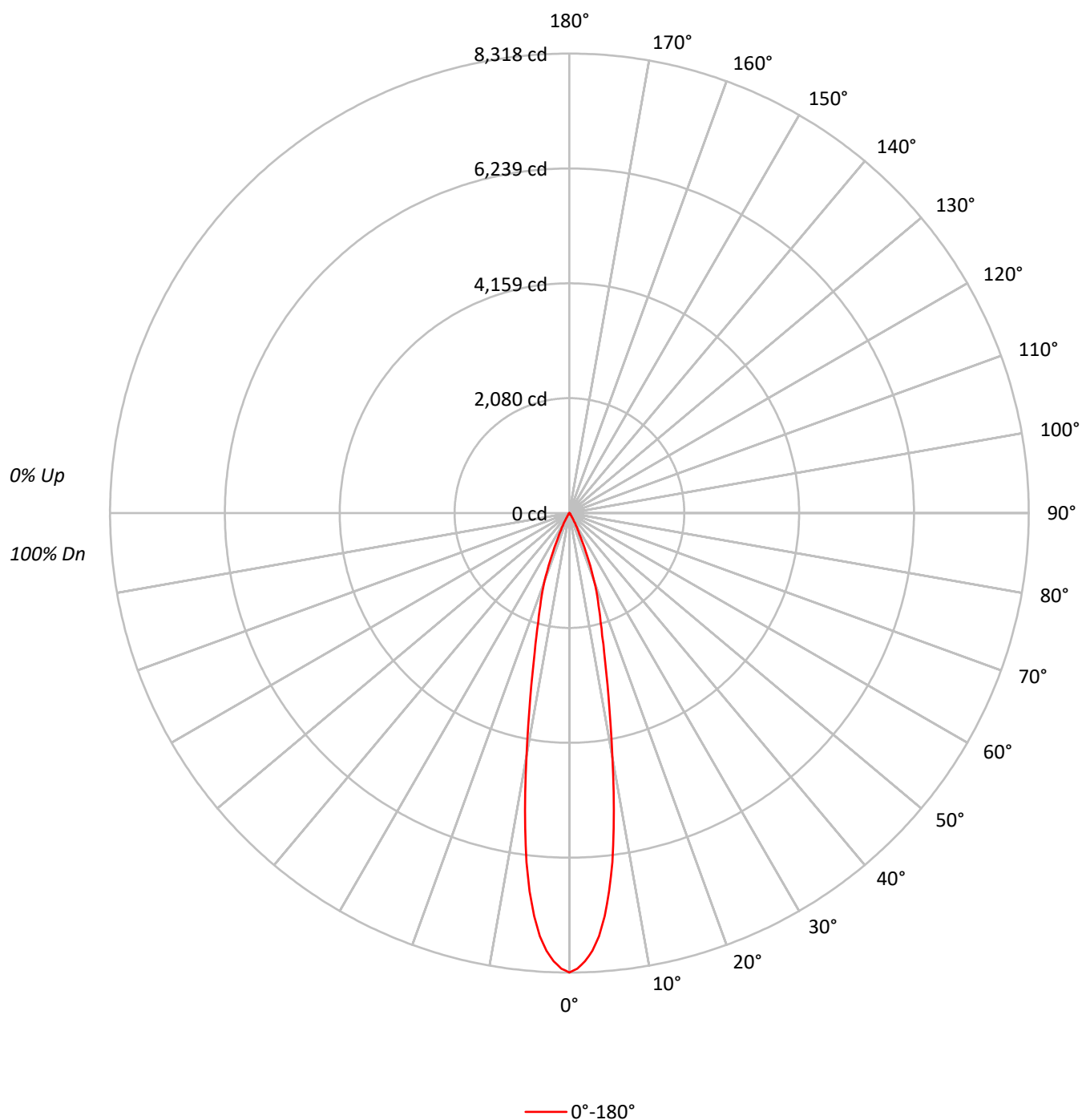
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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								
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	75	80	77	75	74								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1823955
5°	1612322
10°	999558
15°	521274
20°	307350
25°	113160
30°	39474
35°	9851
40°	5525
45°	3814
50°	3582
55°	3364
60°	3070
65°	3632
70°	3398
75°	2965
80°	2273
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.6	38.2
10°-20°	667.2	42.0
20°-30°	250.4	15.8
30°-40°	34.0	2.1
40°-50°	10.6	0.7
50°-60°	7.9	0.5
60°-70°	6.7	0.4
70°-80°	4.2	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°	1523.1	96.0
0°-40°	1557.1	98.1
0°-60°	1575.6	99.3
0°-90°	1587.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8318	
5°	7325	606
15°	2296	667
25°	468	250
35°	37	34
45°	12	11
55°	9	8
65°	7	7
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8317.9
1°	8247.9
2°	8118.3
3°	7934.4
4°	7678.6
5°	7324.8
6°	6885.2
7°	6370.2
8°	5760.7
9°	5121.4
10°	4489.1
11°	3907.6
12°	3403.2
13°	2961.8
14°	2602.7
15°	2296.2
16°	2052.8
17°	1846.1
18°	1672.7
19°	1502.8
20°	1317.1
21°	1122.7
22°	935.3
23°	758.4
24°	602.5
25°	467.7
26°	373.1
27°	310.0
28°	255.7
29°	203.2
30°	155.9
32.5°	77.1
35°	36.8
37.5°	24.5
40°	19.3
42.5°	15.8
45°	12.3
47.5°	12.3
50°	10.5
52.5°	8.8
55°	8.8
57.5°	8.8
60°	7.0
62.5°	7.0
65°	7.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.0
70°	5.3
72.5°	5.3
75°	3.5
77.5°	3.5
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)