

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: P188915

Luminaire Tested: **L80815NF9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188915
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: L80815NF9035MB
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1517.0 lumens
Efficiency: N/A
Efficacy: 73.3 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

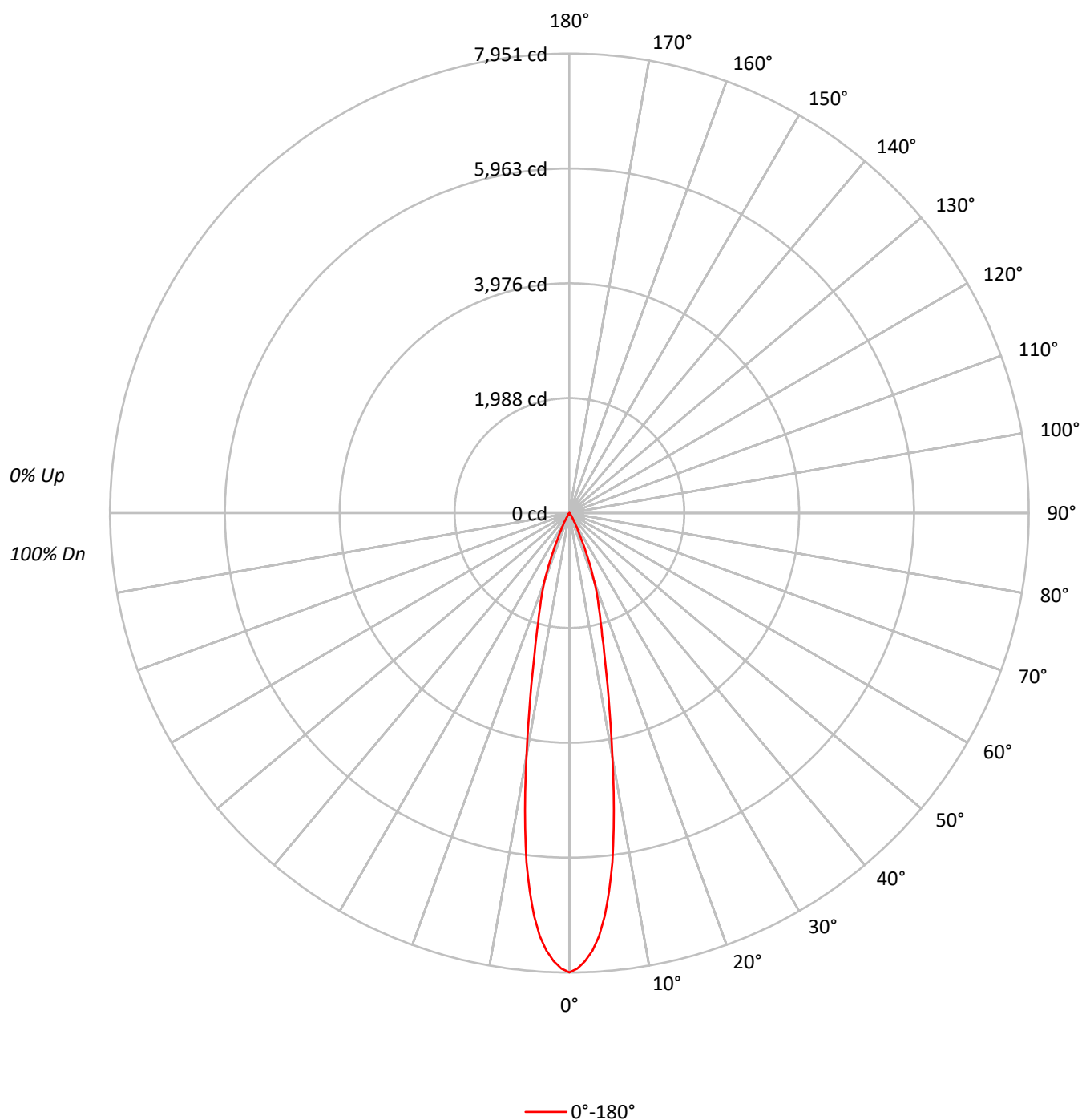
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	80	77	75	74								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1743435
5°	1541136
10°	955427
15°	498278
20°	293792
25°	108151
30°	37727
35°	9423
40°	5267
45°	3628
50°	3411
55°	3211
60°	2938
65°	3476
70°	3206
75°	2796
80°	2147
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.8	38.2
10°-20°	637.7	42.0
20°-30°	239.4	15.8
30°-40°	32.5	2.1
40°-50°	10.1	0.7
50°-60°	7.5	0.5
60°-70°	6.4	0.4
70°-80°	3.9	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°	1455.9	96.0
0°-40°	1488.3	98.1
0°-60°	1506.0	99.3
0°-90°	1517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1517.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7951	
5°	7001	579
15°	2195	638
25°	447	239
35°	35	32
45°	12	10
55°	8	8
65°	7	6
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7950.7
1°	7883.7
2°	7759.8
3°	7584.0
4°	7339.6
5°	7001.4
6°	6581.2
7°	6089.0
8°	5506.4
9°	4895.3
10°	4290.9
11°	3735.1
12°	3252.9
13°	2831.0
14°	2487.8
15°	2194.9
16°	1962.1
17°	1764.6
18°	1598.8
19°	1436.4
20°	1259.0
21°	1073.2
22°	894.0
23°	724.9
24°	575.9
25°	447.0
26°	356.6
27°	296.3
28°	244.4
29°	194.2
30°	149.0
32.5°	73.7
35°	35.2
37.5°	23.4
40°	18.4
42.5°	15.1
45°	11.7
47.5°	11.7
50°	10.0
52.5°	8.4
55°	8.4
57.5°	8.4
60°	6.7
62.5°	6.7
65°	6.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.7
70°	5.0
72.5°	5.0
75°	3.3
77.5°	3.3
80°	1.7
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)