

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: P188930

Luminaire Tested: **L80808NF9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188930
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: L80808NF9035MB
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 996.7 lumens
Efficiency: N/A
Efficacy: 83.8 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

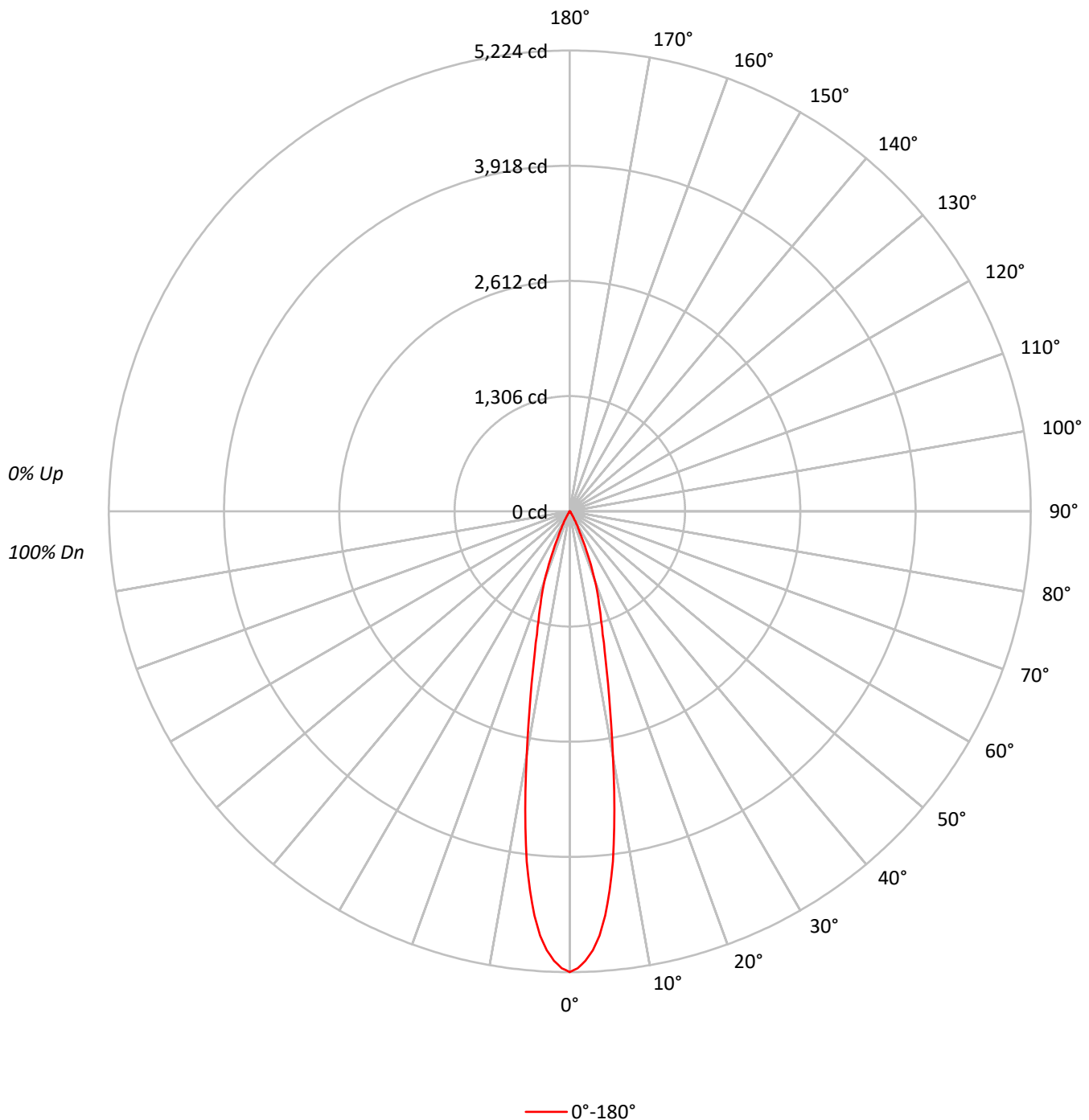
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				0
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	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°	1145456
5°	1012544
10°	627733
15°	327357
20°	193030
25°	71061
30°	24789
35°	6184
40°	3464
45°	2388
50°	2252
55°	2103
60°	1930
65°	2283
70°	2116
75°	1864
80°	1389
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.3	38.2
10°-20°	419.0	42.0
20°-30°	157.3	15.8
30°-40°	21.3	2.1
40°-50°	6.7	0.7
50°-60°	4.9	0.5
60°-70°	4.2	0.4
70°-80°	2.6	0.3
80°-90°	0.4	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°	956.5	96.0
0°-40°	977.9	98.1
0°-60°	989.4	99.3
0°-90°	996.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5224	
5°	4600	380
15°	1442	419
25°	294	157
35°	23	21
45°	8	7
55°	6	5
65°	4	4
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5223.7
1°	5179.7
2°	5098.3
3°	4982.8
4°	4822.2
5°	4600.0
6°	4323.9
7°	4000.5
8°	3617.8
9°	3216.3
10°	2819.2
11°	2454.0
12°	2137.2
13°	1860.0
14°	1634.5
15°	1442.0
16°	1289.2
17°	1159.4
18°	1050.5
19°	943.8
20°	827.2
21°	705.1
22°	587.4
23°	476.3
24°	378.4
25°	293.7
26°	234.3
27°	194.7
28°	160.6
29°	127.6
30°	97.9
32.5°	48.4
35°	23.1
37.5°	15.4
40°	12.1
42.5°	9.9
45°	7.7
47.5°	7.7
50°	6.6
52.5°	5.5
55°	5.5
57.5°	5.5
60°	4.4
62.5°	4.4
65°	4.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.4
70°	3.3
72.5°	3.3
75°	2.2
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)