

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: P184301

Luminaire Tested: **L80808NF9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184301
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: L80808NF9040P
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, WHITE

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1103.4 lumens
Efficiency: N/A
Efficacy: 92.7 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

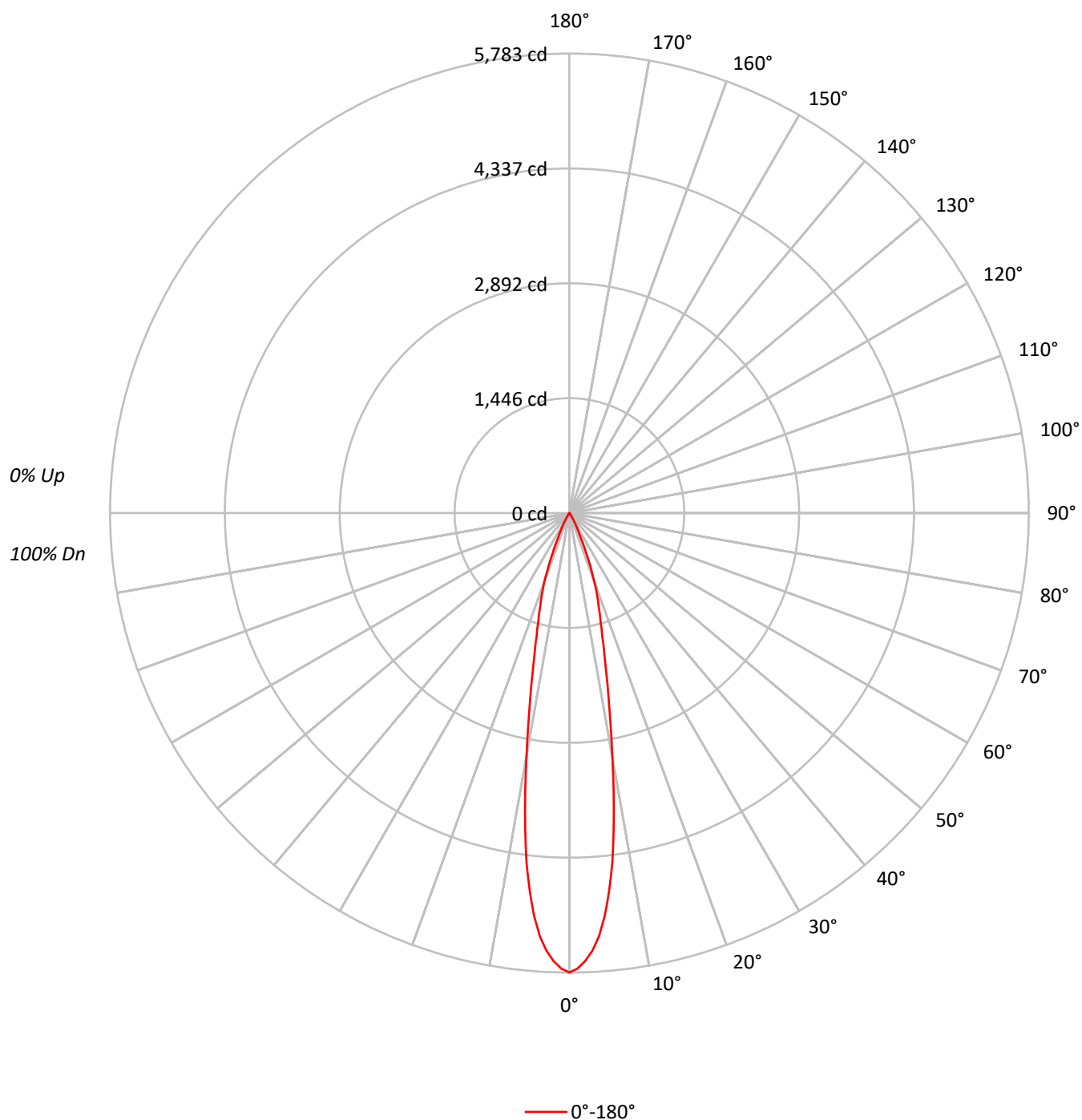
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	75	80	77	75	74			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1268012
5°	1120886
10°	694888
15°	362386
20°	213682
25°	78658
30°	27447
35°	6853
40°	3836
45°	2636
50°	2490
55°	2332
60°	2149
65°	2542
70°	2372
75°	2033
80°	1515
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.0	38.2
10°-20°	463.8	42.0
20°-30°	174.1	15.8
30°-40°	23.6	2.1
40°-50°	7.4	0.7
50°-60°	5.5	0.5
60°-70°	4.7	0.4
70°-80°	2.9	0.3
80°-90°	0.5	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°	1058.9	96.0
0°-40°	1082.5	98.1
0°-60°	1095.3	99.3
0°-90°	1103.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5783	
5°	5092	421
15°	1596	464
25°	325	174
35°	26	24
45°	8	7
55°	6	5
65°	5	5
75°	2	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5782.6
1°	5733.9
2°	5643.8
3°	5515.9
4°	5338.1
5°	5092.2
6°	4786.5
7°	4428.5
8°	4004.8
9°	3560.4
10°	3120.8
11°	2716.5
12°	2365.9
13°	2059.0
14°	1809.4
15°	1596.3
16°	1427.1
17°	1283.4
18°	1162.8
19°	1044.7
20°	915.7
21°	780.5
22°	650.2
23°	527.2
24°	418.9
25°	325.1
26°	259.4
27°	215.5
28°	177.8
29°	141.2
30°	108.4
32.5°	53.6
35°	25.6
37.5°	17.0
40°	13.4
42.5°	11.0
45°	8.5
47.5°	8.5
50°	7.3
52.5°	6.1
55°	6.1
57.5°	6.1
60°	4.9
62.5°	4.9
65°	4.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.9
70°	3.7
72.5°	3.7
75°	2.4
77.5°	2.4
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)