

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: P184310

Luminaire Tested: **L80808SP9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808SP9040P
Description: HALO TRACK L LED 08, 850 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1118.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

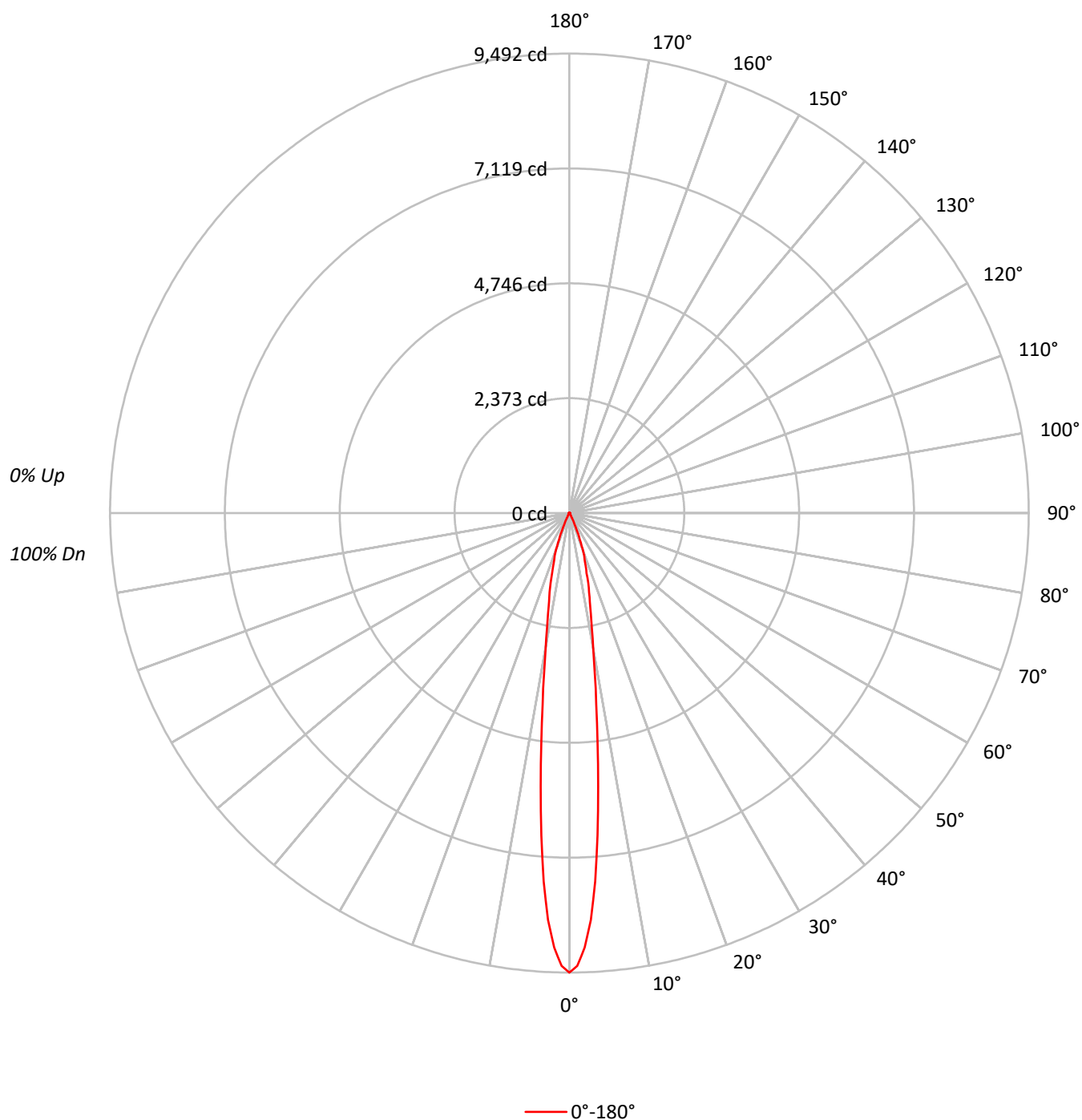
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	110	109		112	110	109	107		106	105	104		103	102	101		99	98	98	96
2	111	107	104	102		109	106	103	100		102	100	98		100	98	96		97	96	94	93
3	108	103	99	96		106	102	98	96		99	96	94		97	95	93		95	93	91	90
4	104	99	95	92		103	98	94	92		96	93	91		94	92	90		93	90	89	87
5	102	96	92	89		100	95	91	88		93	90	88		92	89	87		91	88	86	85
6	99	93	89	86		98	92	88	86		91	88	85		90	87	85		89	86	84	83
7	97	90	86	84		95	90	86	83		89	85	83		88	85	83		87	84	82	81
8	94	88	84	81		93	87	84	81		87	83	81		86	83	81		85	82	80	79
9	92	86	82	79		91	85	82	79		85	81	79		84	81	79		83	81	79	78
10	90	84	80	78		89	83	80	77		83	80	77		82	79	77		82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2081522
5°	1471645
10°	627688
15°	340456
20°	184793
25°	56592
30°	13876
35°	9128
40°	5238
45°	3008
50°	5390
55°	4664
60°	4824
65°	3788
70°	3911
75°	6185
80°	13891
85°	21386



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.5	44.7
10°-20°	419.6	37.5
20°-30°	130.5	11.7
30°-40°	21.0	1.9
40°-50°	11.6	1.0
50°-60°	10.7	1.0
60°-70°	7.9	0.7
70°-80°	8.4	0.7
80°-90°	8.8	0.8
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°	1049.7	93.9
0°-40°	1070.7	95.8
0°-60°	1092.9	97.8
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9492	
5°	6686	500
15°	1500	420
25°	234	131
35°	34	21
45°	10	12
55°	12	11
65°	7	8
75°	7	8
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9492.5
1°	9357.3
2°	8979.7
3°	8416.8
4°	7623.8
5°	6685.7
6°	5681.9
7°	4748.7
8°	3995.8
9°	3328.2
10°	2819.0
11°	2430.4
12°	2129.5
13°	1883.4
14°	1686.0
15°	1499.7
16°	1287.7
17°	1147.6
18°	1027.0
19°	933.2
20°	791.9
21°	654.2
22°	527.5
23°	415.4
24°	320.4
25°	233.9
26°	170.6
27°	123.0
28°	108.4
29°	68.2
30°	54.8
32.5°	30.5
35°	34.1
37.5°	34.1
40°	18.3
42.5°	26.8
45°	9.7
47.5°	7.3
50°	15.8
52.5°	11.0
55°	12.2
57.5°	11.0
60°	11.0
62.5°	6.1
65°	7.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.7
70°	6.1
72.5°	8.5
75°	7.3
77.5°	7.3
80°	11.0
82.5°	6.1
85°	8.5
87.5°	12.2
90°	0.0

(END OF REPORT)