

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: P184094

Luminaire Tested: **L80815SP9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184094
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: L80815SP9040AH
Description: HALO TRACK L LED 08, 1500 LM, SPOT, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1699.3 lumens
Efficiency: N/A
Efficacy: 82.1 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

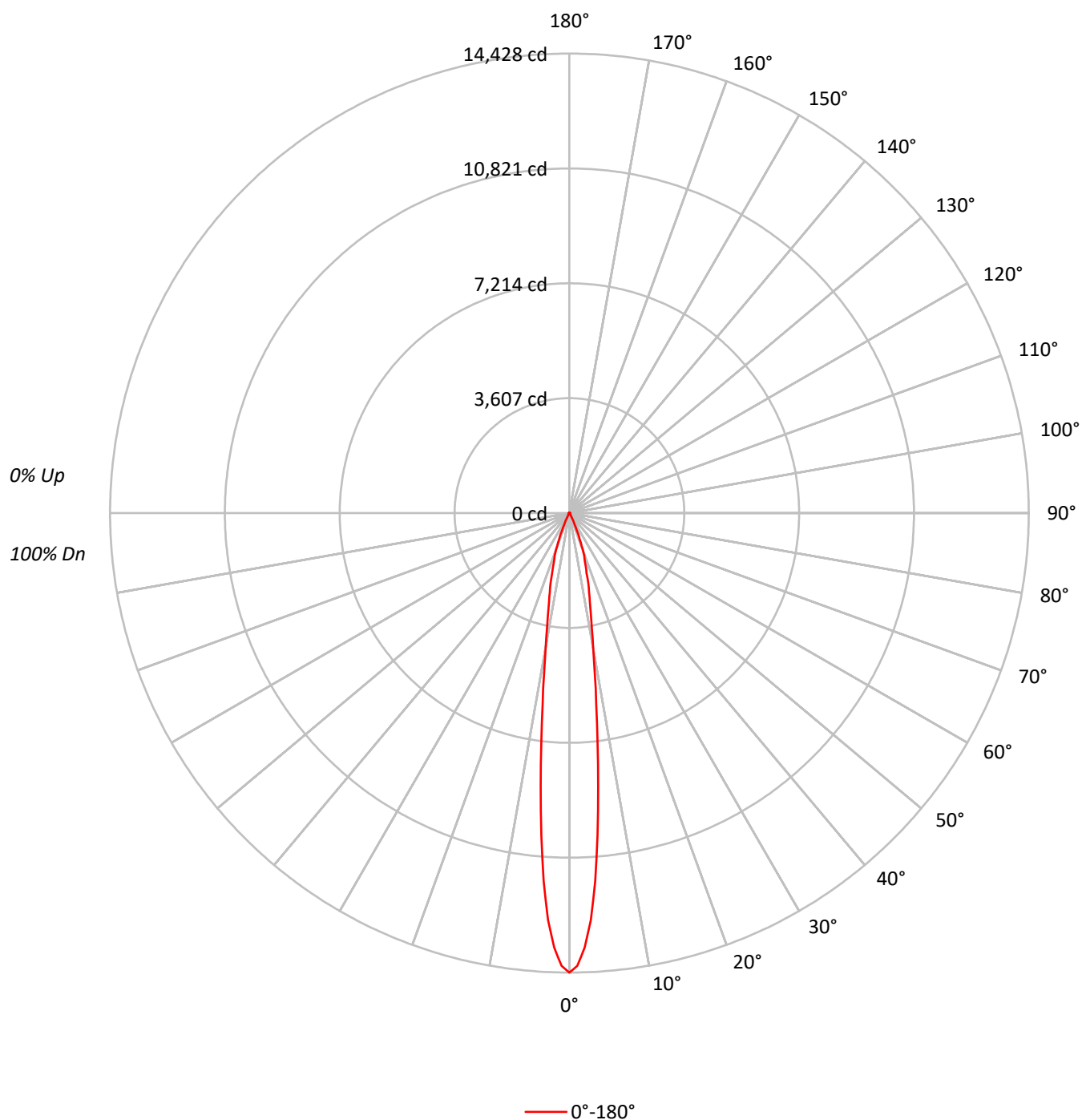
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	83		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°	3163760
5°	2236776
10°	954046
15°	517460
20°	280864
25°	86013
30°	21092
35°	13866
40°	7958
45°	4590
50°	8221
55°	7073
60°	7324
65°	5759
70°	5963
75°	9404
80°	21089
85°	32708



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.2	44.7
10°-20°	637.8	37.5
20°-30°	198.4	11.7
30°-40°	31.9	1.9
40°-50°	17.6	1.0
50°-60°	16.2	1.0
60°-70°	12.0	0.7
70°-80°	12.8	0.8
80°-90°	13.4	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°	1595.4	93.9
0°-40°	1627.3	95.8
0°-60°	1661.1	97.8
0°-90°	1699.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1699.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14428	
5°	10162	759
15°	2279	638
25°	356	198
35°	52	32
45°	15	18
55°	18	16
65°	11	12
75°	11	13
85°	13	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	14427.9
1°	14222.3
2°	13648.3
3°	12792.9
4°	11587.5
5°	10161.7
6°	8636.0
7°	7217.6
8°	6073.3
9°	5058.6
10°	4284.7
11°	3694.0
12°	3236.6
13°	2862.6
14°	2562.6
15°	2279.4
16°	1957.2
17°	1744.2
18°	1560.9
19°	1418.3
20°	1203.6
21°	994.3
22°	801.8
23°	631.4
24°	487.0
25°	355.5
26°	259.2
27°	187.0
28°	164.8
29°	103.7
30°	83.3
32.5°	46.3
35°	51.8
37.5°	51.8
40°	27.8
42.5°	40.7
45°	14.8
47.5°	11.1
50°	24.1
52.5°	16.7
55°	18.5
57.5°	16.7
60°	16.7
62.5°	9.3
65°	11.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	14.8
70°	9.3
72.5°	13.0
75°	11.1
77.5°	11.1
80°	16.7
82.5°	9.3
85°	13.0
87.5°	18.5
90°	0.0

(END OF REPORT)