

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: P188928

Luminaire Tested: **L80808SP9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188928
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: L80808SP9035P
Description: HALO TRACK L LED 08, 850 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1056.6 lumens
Efficiency: N/A
Efficacy: 88.8 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

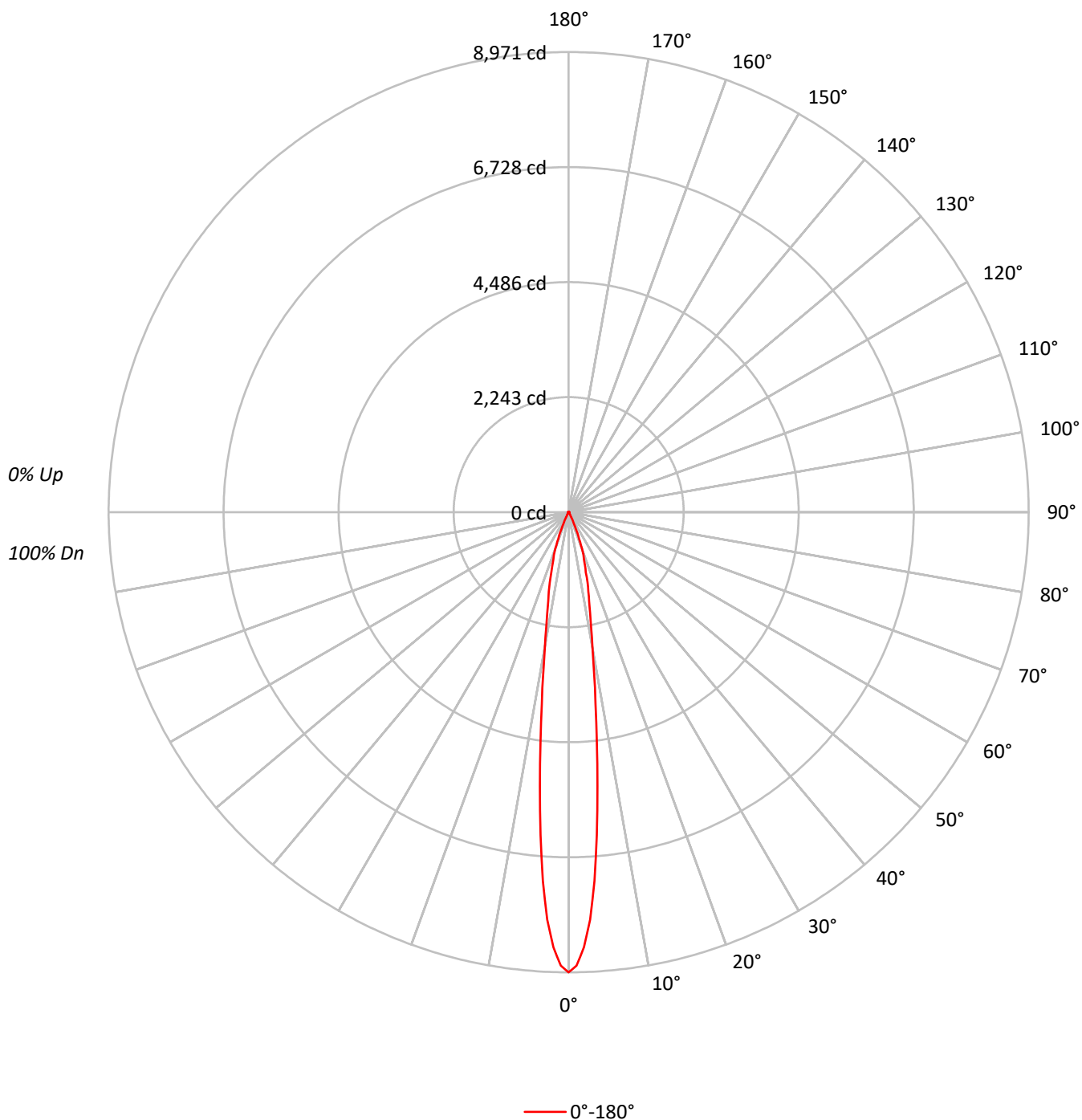
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1967211
5°	1390817
10°	593220
15°	321750
20°	174642
25°	53495
30°	13116
35°	8620
40°	4952
45°	2853
50°	5117
55°	4396
60°	4561
65°	3580
70°	3719
75°	5846
80°	13133
85°	20379



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.1	44.7
10°-20°	396.6	37.5
20°-30°	123.4	11.7
30°-40°	19.8	1.9
40°-50°	11.0	1.0
50°-60°	10.1	1.0
60°-70°	7.4	0.7
70°-80°	7.9	0.8
80°-90°	8.3	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°	992.0	93.9
0°-40°	1011.9	95.8
0°-60°	1032.9	97.8
0°-90°	1056.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8971	
5°	6318	472
15°	1417	397
25°	221	123
35°	32	20
45°	9	11
55°	12	10
65°	7	7
75°	7	8
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8971.2
1°	8843.4
2°	8486.5
3°	7954.6
4°	7205.1
5°	6318.5
6°	5369.8
7°	4487.9
8°	3776.4
9°	3145.5
10°	2664.2
11°	2296.9
12°	2012.5
13°	1780.0
14°	1593.5
15°	1417.3
16°	1217.0
17°	1084.6
18°	970.6
19°	881.9
20°	748.4
21°	618.3
22°	498.5
23°	392.6
24°	302.8
25°	221.1
26°	161.2
27°	116.3
28°	102.5
29°	64.5
30°	51.8
32.5°	28.8
35°	32.2
37.5°	32.2
40°	17.3
42.5°	25.3
45°	9.2
47.5°	6.9
50°	15.0
52.5°	10.4
55°	11.5
57.5°	10.4
60°	10.4
62.5°	5.8
65°	6.9



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	9.2
70°	5.8
72.5°	8.1
75°	6.9
77.5°	6.9
80°	10.4
82.5°	5.8
85°	8.1
87.5°	11.5
90°	0.0

(END OF REPORT)