

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: P184052

Luminaire Tested: **L80825SP9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184052
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27068)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825SP9040AH
Description: HALO TRACK L LED 08, 2500 LM, SPOT, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2481.4 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.21
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

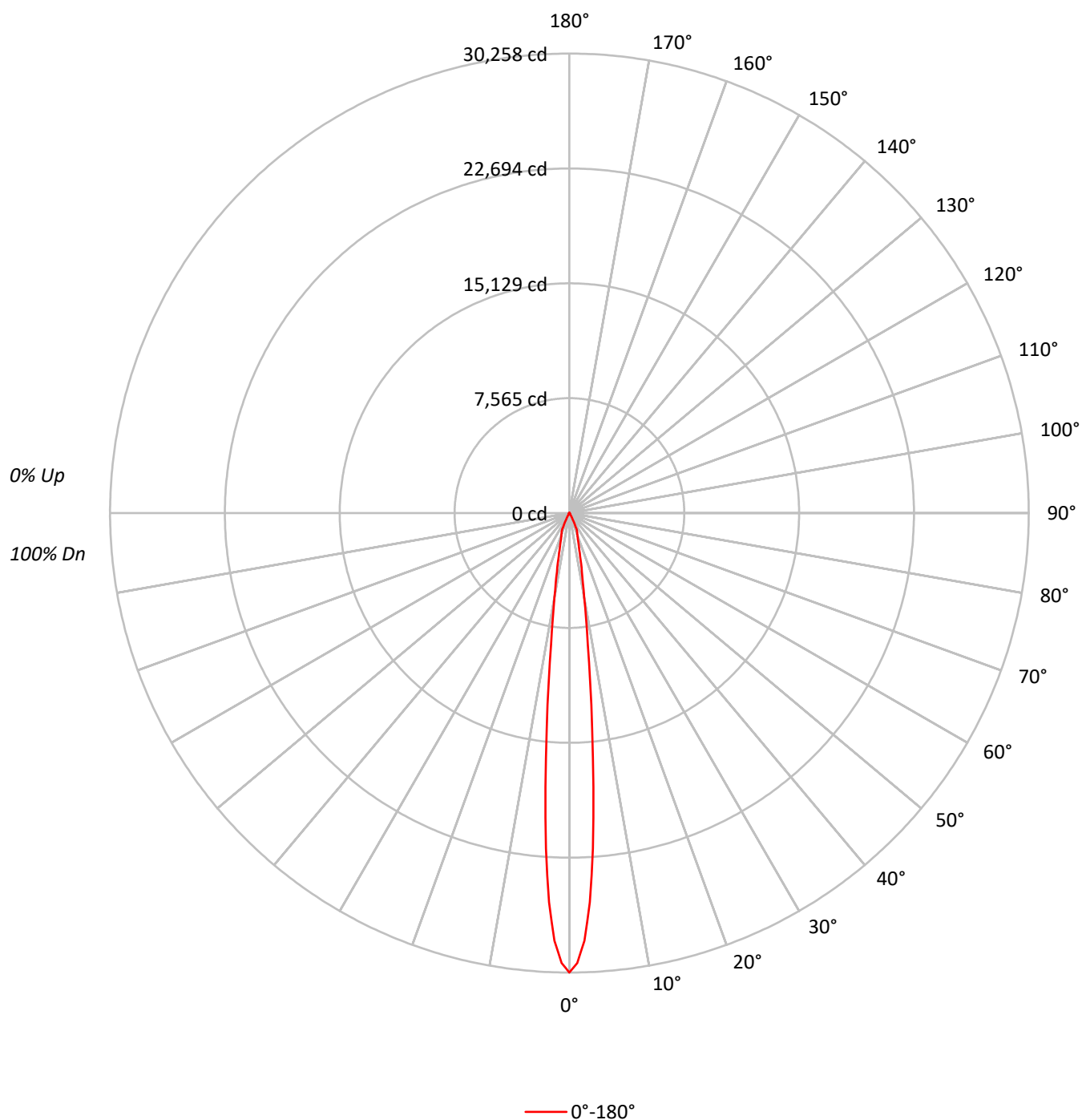
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184052

CATALOG NUMBER: L80825SP9040AH

Luminous Intensity Polar Plot



TEST NUMBER: P184052

CATALOG NUMBER: L80825SP9040AH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20				
RC	80					70					50					30					10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97							
2	112	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94							
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92							
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90							
5	103	98	94	92	102	97	94	91	96	93	90	94	92	90	93	91	89	88							
6	101	95	92	89	100	95	91	89	93	90	88	92	90	88	91	89	87	86							
7	99	93	89	87	98	92	89	86	91	88	86	90	88	86	89	87	85	84							
8	96	91	87	85	96	90	87	84	89	86	84	89	86	84	88	85	83	83							
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81							
10	93	87	83	81	92	87	83	81	86	83	81	85	83	81	85	82	80	80							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3732254
5°	2240242
10°	707078
15°	324133
20°	202563
25°	123168
30°	17177
35°	4035
40°	1369
45°	0
50°	2111
55°	516
60°	1209
65°	2481
70°	433
75°	8721
80°	3481
85°	13728



TEST NUMBER: P184052

CATALOG NUMBER: L80825SP9040AH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1284.3	51.8
10°-20°	756.3	30.5
20°-30°	379.7	15.3
30°-40°	22.2	0.9
40°-50°	6.2	0.2
50°-60°	7.9	0.3
60°-70°	5.0	0.2
70°-80°	9.9	0.4
80°-90°	9.9	0.4
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°	2420.3	97.5
0°-40°	2442.5	98.4
0°-60°	2456.6	99.0
0°-90°	2481.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2481.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30258	
5°	18093	###
15°	2538	756
25°	905	380
35°	27	22
45°	0	6
55°	2	8
65°	8	5
75°	18	10
85°	10	10
90°	0	



TEST NUMBER: P184052

CATALOG NUMBER: L80825SP9040AH

CANDELA DISTRIBUTION (FULL):

0°	
0°	30258.5
1°	29632.4
2°	28174.5
3°	25671.5
4°	22146.7
5°	18093.2
6°	14262.6
7°	11130.0
8°	8712.3
9°	6955.9
10°	5645.4
11°	4694.1
12°	3954.8
13°	3398.2
14°	2924.4
15°	2538.3
16°	2224.0
17°	1974.4
18°	1795.3
19°	1638.2
20°	1543.2
21°	1445.8
22°	1382.4
23°	1266.7
24°	1126.6
25°	905.0
26°	721.0
27°	507.9
28°	331.3
29°	183.9
30°	120.6
32.5°	46.3
35°	26.8
37.5°	11.0
40°	8.5
42.5°	8.5
45°	0.0
47.5°	13.4
50°	11.0
52.5°	20.7
55°	2.4
57.5°	4.9
60°	4.9
62.5°	2.4
65°	8.5



TEST NUMBER: P184052

CATALOG NUMBER: L80825SP9040AH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.1
70°	1.2
72.5°	4.9
75°	18.3
77.5°	11.0
80°	4.9
82.5°	15.8
85°	9.7
87.5°	8.5
90°	0.0

(END OF REPORT)