

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: P184051

Luminaire Tested: **L80825SP9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184051
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: L80825SP9030AH
Description: HALO TRACK L LED 08, 2500 LM, SPOT, ALUMINIUM HAZE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2200.0 lumens
Efficiency: N/A
Efficacy: 63.0 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

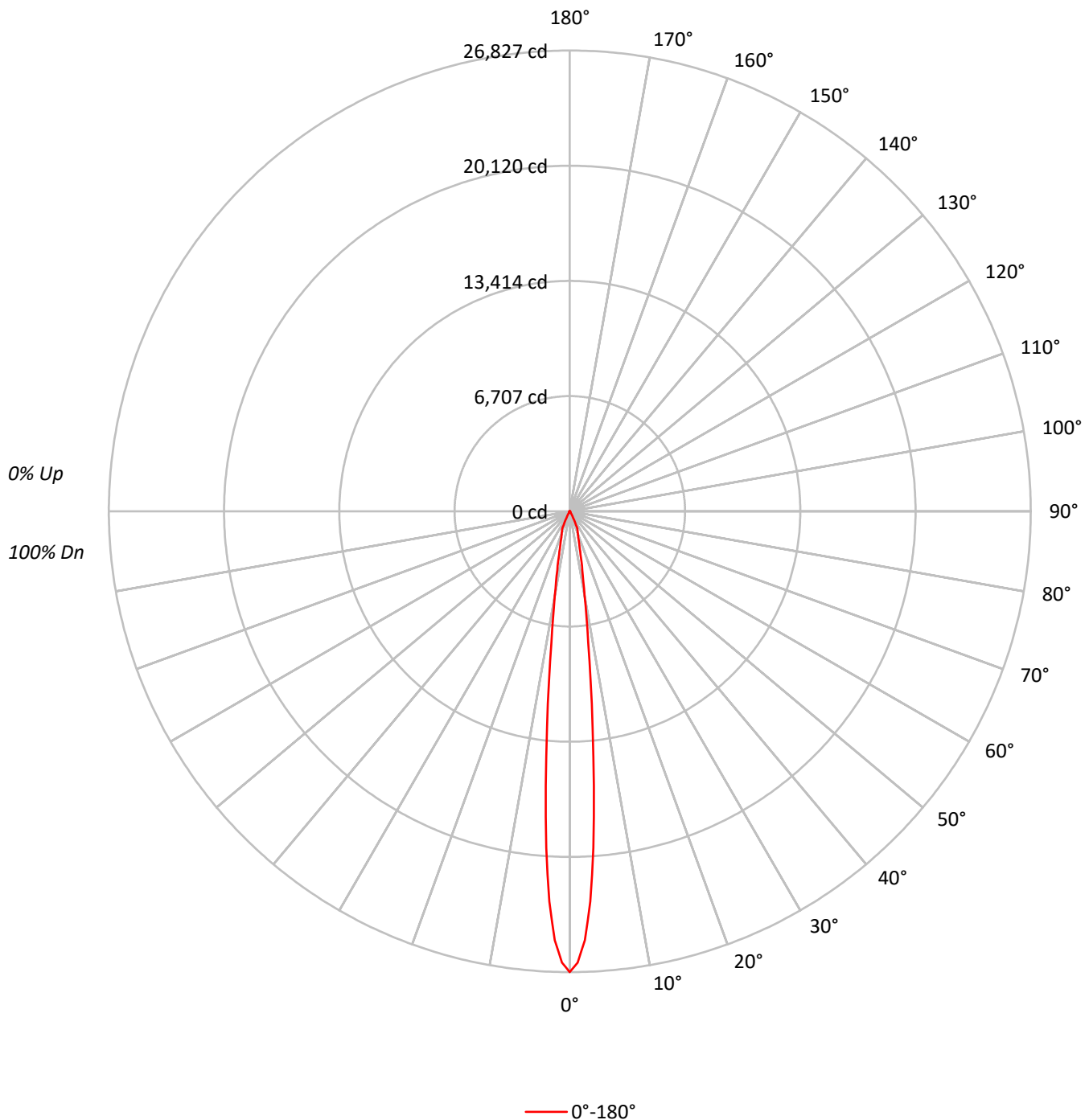
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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				
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°	3308968
5°	1986170
10°	626881
15°	287369
20°	179592
25°	109190
30°	15225
35°	3584
40°	1224
45°	0
50°	1861
55°	473
60°	1061
65°	2218
70°	397
75°	7720
80°	3054
85°	12171



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1138.6	51.8
10°-20°	670.5	30.5
20°-30°	336.7	15.3
30°-40°	19.7	0.9
40°-50°	5.5	0.2
50°-60°	7.0	0.3
60°-70°	4.4	0.2
70°-80°	8.7	0.4
80°-90°	8.8	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°	2145.8	97.5
0°-40°	2165.5	98.4
0°-60°	2178.0	99.0
0°-90°	2200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2200.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26827	
5°	16041	###
15°	2250	671
25°	802	337
35°	24	20
45°	0	5
55°	2	7
65°	8	4
75°	16	9
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26826.8
1°	26271.7
2°	24979.1
3°	22760.0
4°	19634.9
5°	16041.2
6°	12645.1
7°	9867.7
8°	7724.2
9°	6167.0
10°	5005.1
11°	4161.7
12°	3506.3
13°	3012.8
14°	2592.7
15°	2250.4
16°	1971.8
17°	1750.4
18°	1591.7
19°	1452.4
20°	1368.2
21°	1281.8
22°	1225.6
23°	1123.0
24°	998.9
25°	802.3
26°	639.3
27°	450.3
28°	293.7
29°	163.1
30°	106.9
32.5°	41.0
35°	23.8
37.5°	9.7
40°	7.6
42.5°	7.6
45°	0.0
47.5°	11.9
50°	9.7
52.5°	18.4
55°	2.2
57.5°	4.3
60°	4.3
62.5°	2.2
65°	7.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.4
70°	1.1
72.5°	4.3
75°	16.2
77.5°	9.7
80°	4.3
82.5°	14.0
85°	8.6
87.5°	7.6
90°	0.0

(END OF REPORT)