

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: P184050

Luminaire Tested: **L80825SP9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184050
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: L80825SP9027AH
Description: HALO TRACK L LED 08, 2500 LM, SPOT, ALUMINIUM HAZE

Light Source: EATON LED 2700K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2037.0 lumens
Efficiency: N/A
Efficacy: 58.4 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

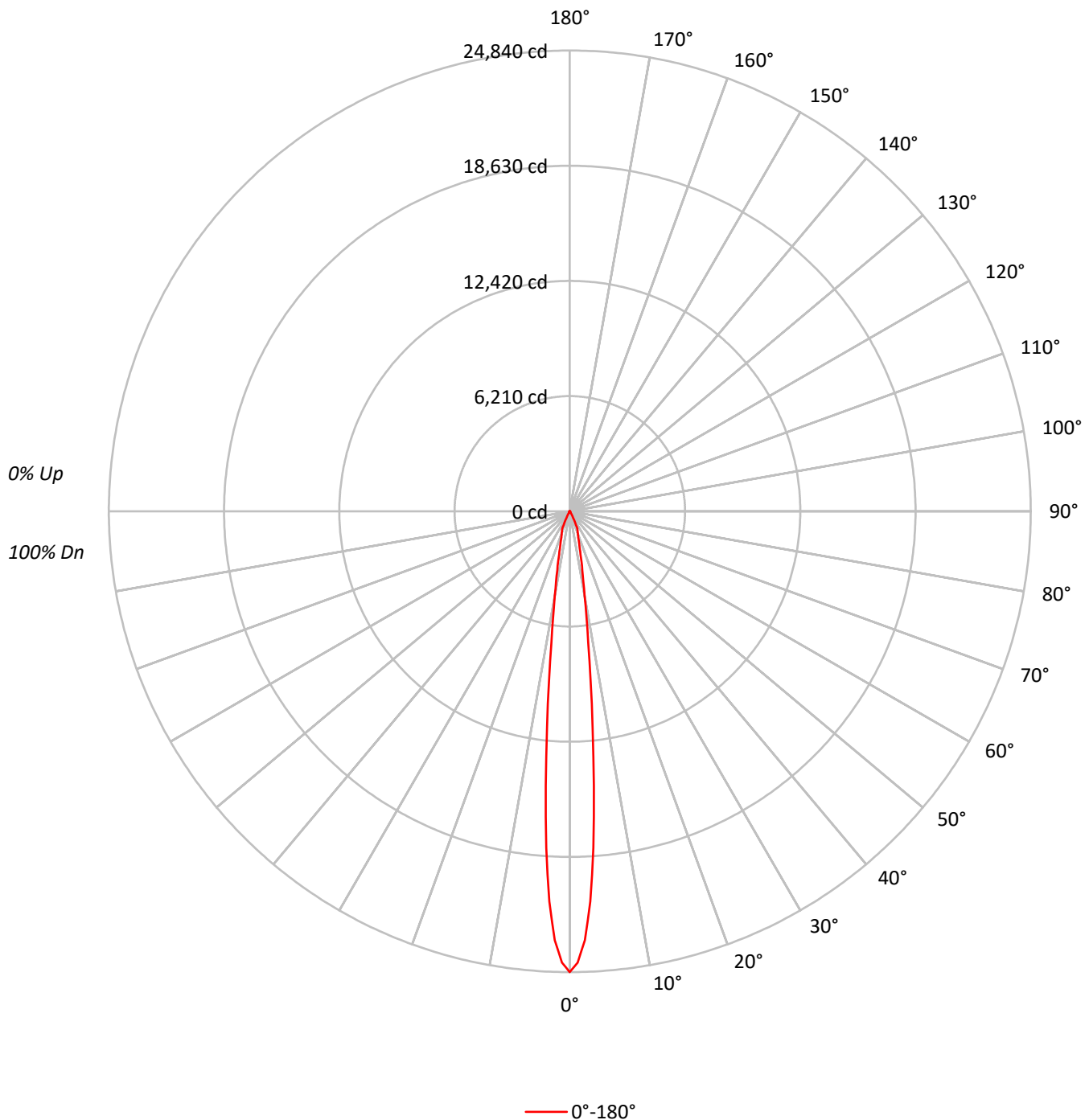
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80825SP9027AH

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°	3063856
5°	1839051
10°	580451
15°	266082
20°	166282
25°	101106
30°	14100
35°	3313
40°	1127
45°	0
50°	1727
55°	430
60°	987
65°	2043
70°	361
75°	7149
80°	2841
85°	11322



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1054.3	51.8
10°-20°	620.9	30.5
20°-30°	311.7	15.3
30°-40°	18.2	0.9
40°-50°	5.1	0.2
50°-60°	6.5	0.3
60°-70°	4.1	0.2
70°-80°	8.1	0.4
80°-90°	8.2	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°	1986.9	97.5
0°-40°	2005.1	98.4
0°-60°	2016.6	99.0
0°-90°	2037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2037.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	24840	
5°	14853	###
15°	2084	621
25°	743	312
35°	22	18
45°	0	5
55°	2	7
65°	7	4
75°	15	8
85°	8	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	24839.6
1°	24325.7
2°	23128.8
3°	21074.1
4°	18180.5
5°	14853.0
6°	11708.4
7°	9136.7
8°	7152.0
9°	5710.2
10°	4634.4
11°	3853.5
12°	3246.6
13°	2789.6
14°	2400.7
15°	2083.7
16°	1825.7
17°	1620.8
18°	1473.8
19°	1344.8
20°	1266.8
21°	1186.8
22°	1134.8
23°	1039.9
24°	924.9
25°	742.9
26°	591.9
27°	416.9
28°	272.0
29°	151.0
30°	99.0
32.5°	38.0
35°	22.0
37.5°	9.0
40°	7.0
42.5°	7.0
45°	0.0
47.5°	11.0
50°	9.0
52.5°	17.0
55°	2.0
57.5°	4.0
60°	4.0
62.5°	2.0
65°	7.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	5.0
70°	1.0
72.5°	4.0
75°	15.0
77.5°	9.0
80°	4.0
82.5°	13.0
85°	8.0
87.5°	7.0
90°	0.0

(END OF REPORT)