

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: P188908

Luminaire Tested: **L80825SP9035AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188908
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: L80825SP9035AH
Description: HALO TRACK L LED 08, 2500 LM, SPOT, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2528.4 lumens
Efficiency: N/A
Efficacy: 72.4 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

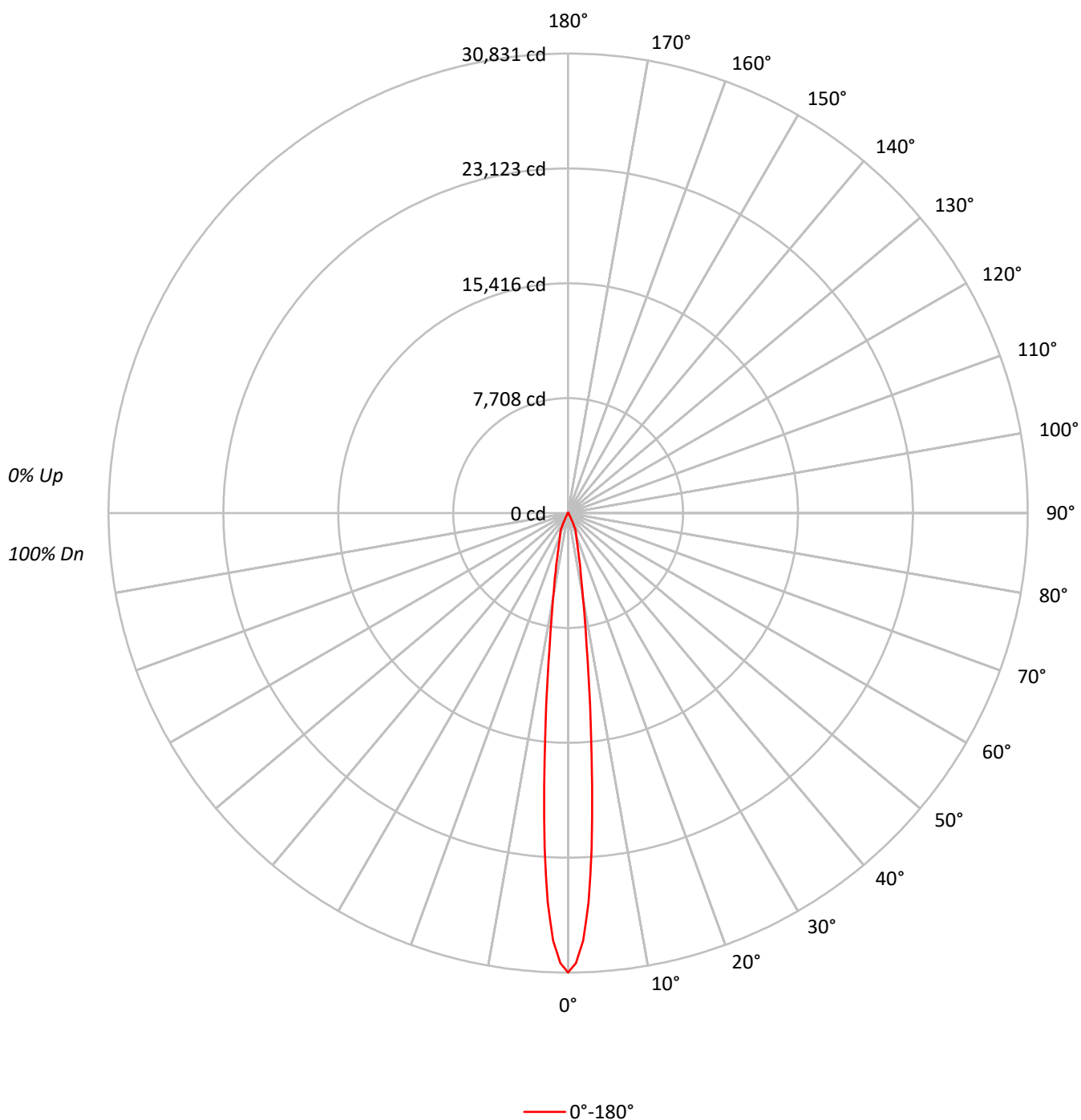
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3802857
5°	2282624
10°	720454
15°	330262
20°	206396
25°	125495
30°	17504
35°	4111
40°	1401
45°	0
50°	2149
55°	538
60°	1233
65°	2539
70°	433
75°	8864
80°	3552
85°	14011



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1308.6	51.8
10°-20°	770.6	30.5
20°-30°	386.9	15.3
30°-40°	22.6	0.9
40°-50°	6.3	0.2
50°-60°	8.1	0.3
60°-70°	5.1	0.2
70°-80°	10.1	0.4
80°-90°	10.1	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°	2466.1	97.5
0°-40°	2488.7	98.4
0°-60°	2503.1	99.0
0°-90°	2528.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2528.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	30831	
5°	18436	###
15°	2586	771
25°	922	387
35°	27	23
45°	0	6
55°	2	8
65°	9	5
75°	19	10
85°	10	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	30830.9
1°	30193.0
2°	28707.5
3°	26157.2
4°	22565.6
5°	18435.5
6°	14532.5
7°	11340.5
8°	8877.1
9°	7087.5
10°	5752.2
11°	4782.9
12°	4029.6
13°	3462.5
14°	2979.7
15°	2586.3
16°	2266.1
17°	2011.7
18°	1829.3
19°	1669.2
20°	1572.4
21°	1473.1
22°	1408.6
23°	1290.7
24°	1148.0
25°	922.1
26°	734.7
27°	517.5
28°	337.6
29°	187.4
30°	122.9
32.5°	47.2
35°	27.3
37.5°	11.2
40°	8.7
42.5°	8.7
45°	0.0
47.5°	13.7
50°	11.2
52.5°	21.1
55°	2.5
57.5°	5.0
60°	5.0
62.5°	2.5
65°	8.7



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.2
70°	1.2
72.5°	5.0
75°	18.6
77.5°	11.2
80°	5.0
82.5°	16.1
85°	9.9
87.5°	8.7
90°	0.0

(END OF REPORT)