

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: P184060

Luminaire Tested: **L80825FL9030AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27072)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9030AH
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2003.4 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

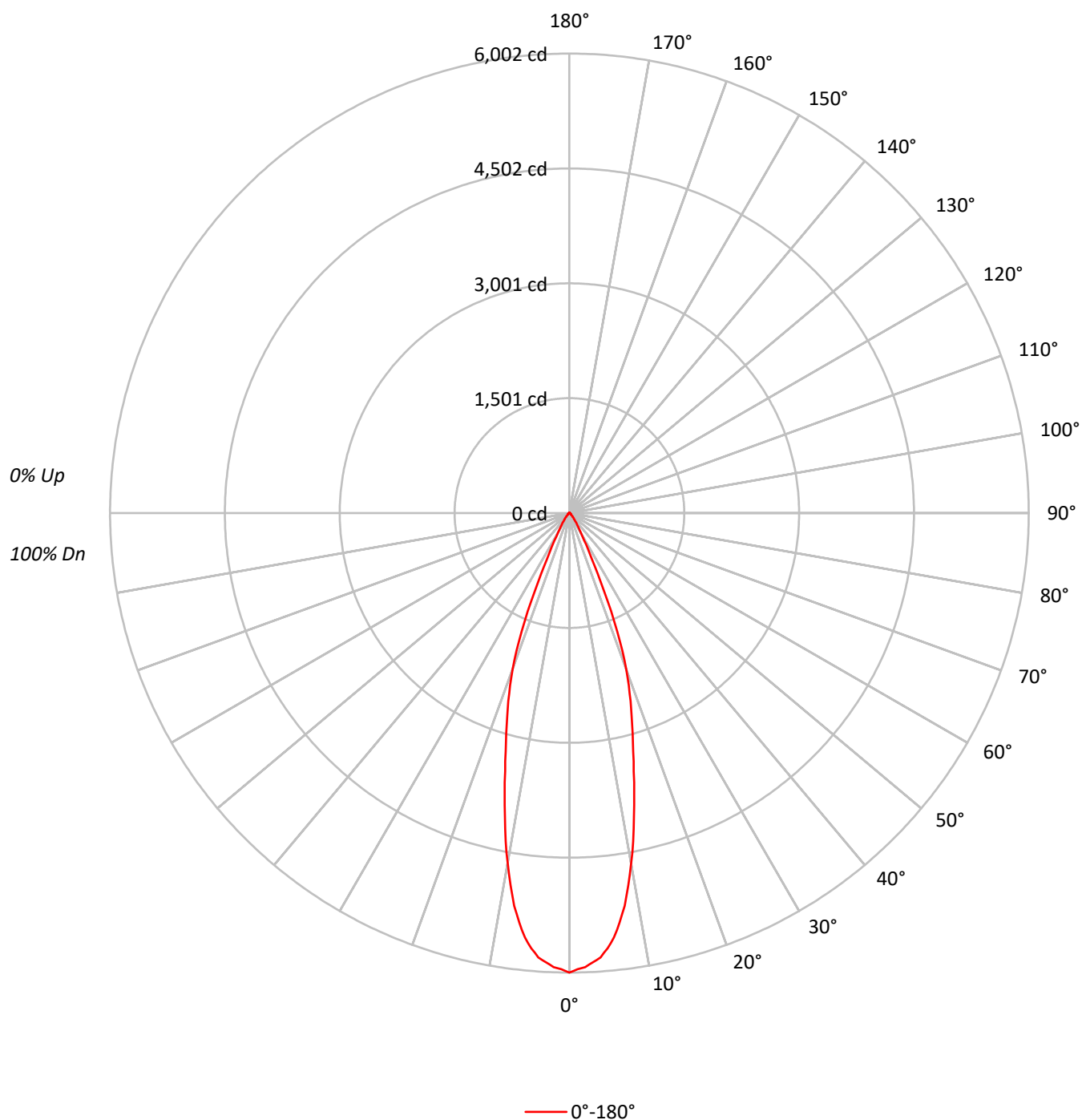
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	97
2	110	106	103	100		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		105	100	96	93		97	94	92		95	93	91		93	91	89
4	103	97	92	89		101	96	92	89		94	90	88		92	89	87		90	88	86
5	99	93	88	85		98	92	87	84		90	86	84		89	85	83		87	84	82
6	96	89	84	81		94	88	84	81		87	83	80		85	82	80		84	81	79
7	92	85	81	77		91	85	80	77		84	80	77		83	79	77		82	78	76
8	89	82	78	74		88	82	77	74		81	77	74		80	76	74		79	76	73
9	87	79	75	72		86	79	75	72		78	74	71		77	74	71		76	73	71
10	84	77	72	69		83	76	72	69		75	72	69		75	71	69		74	71	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	740345
5°	706660
10°	582292
15°	411618
20°	284917
25°	119085
30°	43554
35°	22361
40°	11867
45°	4919
50°	4375
55°	4667
60°	271
65°	321
70°	0
75°	524
80°	1563
85°	1557



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.2	25.5
10°-20°	898.4	44.8
20°-30°	446.5	22.3
30°-40°	99.3	5.0
40°-50°	30.4	1.5
50°-60°	11.4	0.6
60°-70°	2.8	0.1
70°-80°	2.3	0.1
80°-90°	1.2	0.1
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°	1856.1	92.6
0°-40°	1955.3	97.6
0°-60°	1997.1	99.7
0°-90°	2003.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6002	
5°	5707	511
15°	3223	898
25°	875	446
35°	148	99
45°	28	30
55°	22	11
65°	1	3
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6002.2
1°	5961.0
2°	5933.9
3°	5876.5
4°	5819.0
5°	5707.3
6°	5575.1
7°	5387.5
8°	5180.4
9°	4922.4
10°	4649.1
11°	4368.3
12°	4052.8
13°	3761.2
14°	3476.0
15°	3223.4
16°	2993.5
17°	2774.5
18°	2581.5
19°	2380.9
20°	2170.6
21°	1927.7
22°	1668.6
23°	1391.1
24°	1111.3
25°	875.0
26°	679.8
27°	548.6
28°	457.5
29°	356.7
30°	305.8
32.5°	207.1
35°	148.5
37.5°	104.1
40°	73.7
42.5°	57.5
45°	28.2
47.5°	26.0
50°	22.8
52.5°	4.3
55°	21.7
57.5°	13.0
60°	1.1
62.5°	5.4
65°	1.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.3
70°	0.0
72.5°	2.2
75°	1.1
77.5°	4.3
80°	2.2
82.5°	2.2
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)