

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: P184061

Luminaire Tested: **L80825FL9040AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184061
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: L80825FL9040AH
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2259.7 lumens
Efficiency: N/A
Efficacy: 64.7 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

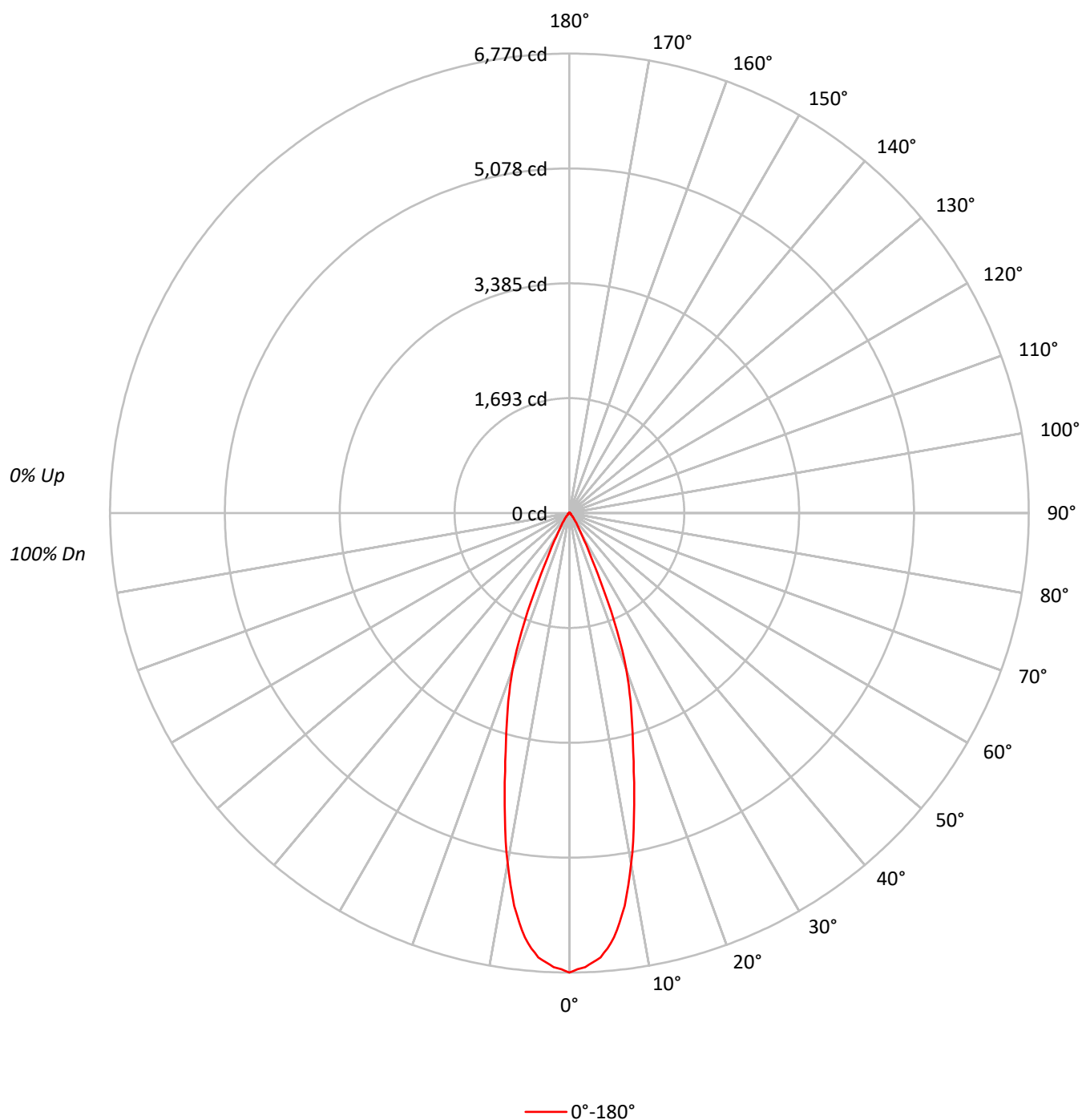
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184061

CATALOG NUMBER: L80825FL9040AH

Luminous Intensity Polar Plot



TEST NUMBER: P184061

CATALOG NUMBER: L80825FL9040AH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96					96			
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92			
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88					88			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84					84			
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81					81			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78					78			
7	92	85	81	77	91	85	80	77	84	80	77	83	79	77	82	78	76	75					75			
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72					72			
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	76	73	71	70					70			
10	84	77	72	69	83	76	72	69	75	72	69	75	71	69	74	71	69	68					68			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	835062
5°	797058
10°	656790
15°	464267
20°	321368
25°	134314
30°	49123
35°	25222
40°	13397
45°	5547
50°	4932
55°	5269
60°	296
65°	350
70°	0
75°	572
80°	1705
85°	1698



TEST NUMBER: P184061

CATALOG NUMBER: L80825FL9040AH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.6	25.5
10°-20°	1013.3	44.8
20°-30°	503.6	22.3
30°-40°	112.0	5.0
40°-50°	34.3	1.5
50°-60°	12.9	0.6
60°-70°	3.2	0.1
70°-80°	2.6	0.1
80°-90°	1.3	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°	2093.5	92.6
0°-40°	2205.5	97.6
0°-60°	2252.6	99.7
0°-90°	2259.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2259.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6770	
5°	6437	577
15°	3636	1013
25°	987	504
35°	168	112
45°	32	34
55°	24	13
65°	1	3
75°	1	3
85°	1	1
90°	0	



TEST NUMBER: P184061

CATALOG NUMBER: L80825FL9040AH

CANDELA DISTRIBUTION (FULL):

0°	
0°	6770.1
1°	6723.6
2°	6693.0
3°	6628.2
4°	6563.4
5°	6437.4
6°	6288.2
7°	6076.7
8°	5843.1
9°	5552.0
10°	5243.9
11°	4927.1
12°	4571.3
13°	4242.3
14°	3920.7
15°	3635.7
16°	3376.5
17°	3129.4
18°	2911.8
19°	2685.5
20°	2448.3
21°	2174.3
22°	1882.1
23°	1569.0
24°	1253.5
25°	986.9
26°	766.8
27°	618.8
28°	516.1
29°	402.3
30°	344.9
32.5°	233.6
35°	167.5
37.5°	117.4
40°	83.2
42.5°	64.8
45°	31.8
47.5°	29.4
50°	25.7
52.5°	4.9
55°	24.5
57.5°	14.7
60°	1.2
62.5°	6.1
65°	1.2



TEST NUMBER: P184061

CATALOG NUMBER: L80825FL9040AH

CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.9
70°	0.0
72.5°	2.4
75°	1.2
77.5°	4.9
80°	2.4
82.5°	2.4
85°	1.2
87.5°	0.0
90°	0.0

(END OF REPORT)