

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: P184059

Luminaire Tested: **L80825FL9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184059
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: L80825FL9027AH
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1855.0 lumens
Efficiency: N/A
Efficacy: 53.2 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

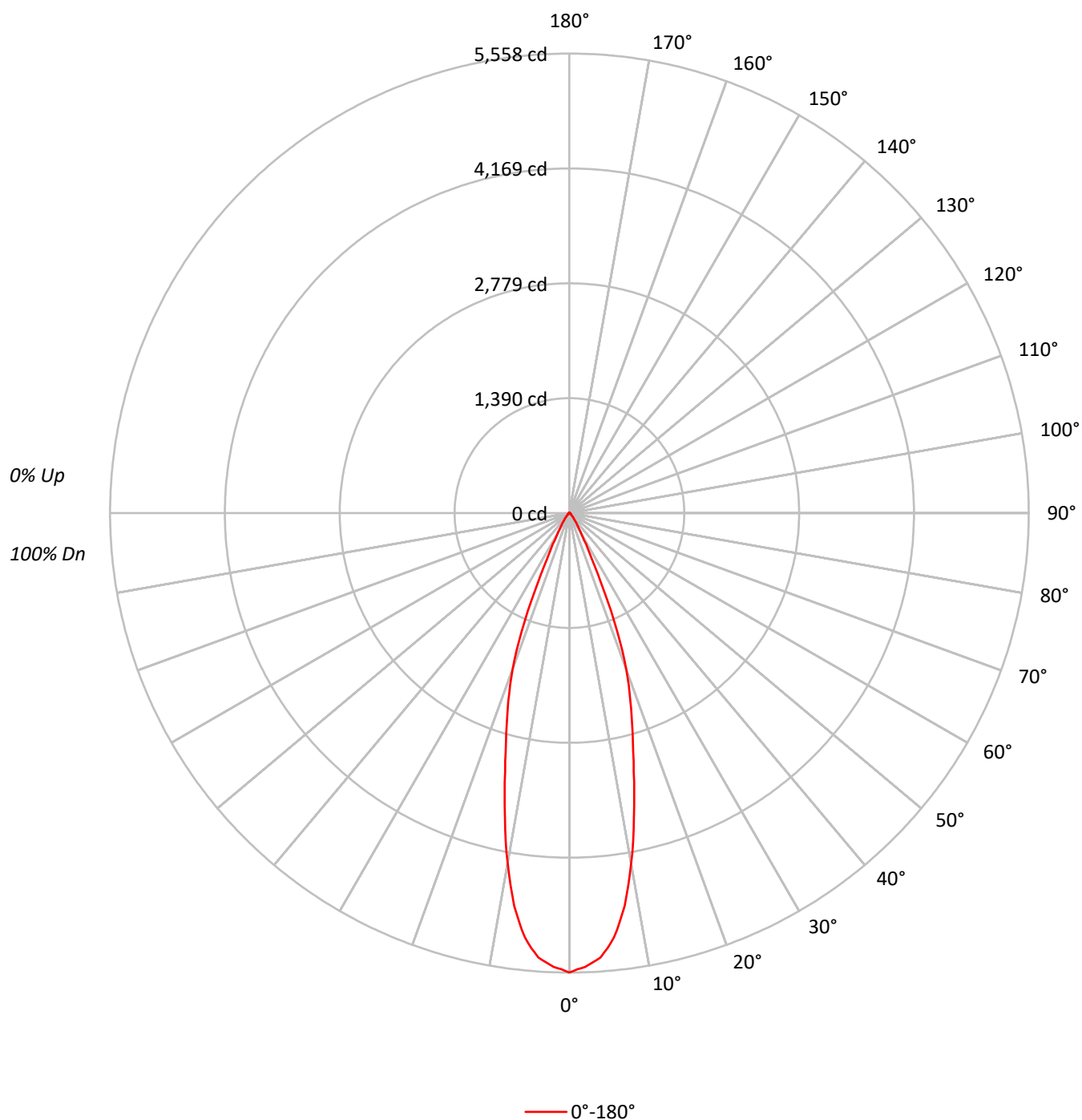
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	685506
5°	654322
10°	539169
15°	381124
20°	263810
25°	110266
30°	40321
35°	20704
40°	10997
45°	4553
50°	4049
55°	4322
60°	247
65°	292
70°	0
75°	477
80°	1421
85°	1415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.4	25.5
10°-20°	831.8	44.8
20°-30°	413.4	22.3
30°-40°	91.9	5.0
40°-50°	28.1	1.5
50°-60°	10.5	0.6
60°-70°	2.6	0.1
70°-80°	2.1	0.1
80°-90°	1.1	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°	1718.6	92.6
0°-40°	1810.5	97.6
0°-60°	1849.2	99.7
0°-90°	1855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1855.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5558	
5°	5285	473
15°	2985	832
25°	810	413
35°	138	92
45°	26	28
55°	20	11
65°	1	3
75°	1	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5557.6
1°	5519.5
2°	5494.4
3°	5441.2
4°	5388.0
5°	5284.6
6°	5162.1
7°	4988.4
8°	4796.7
9°	4557.7
10°	4304.8
11°	4044.7
12°	3752.6
13°	3482.6
14°	3218.5
15°	2984.6
16°	2771.8
17°	2569.0
18°	2390.3
19°	2204.6
20°	2009.8
21°	1784.9
22°	1545.0
23°	1288.0
24°	1029.0
25°	810.2
26°	629.5
27°	508.0
28°	423.6
29°	330.3
30°	283.1
32.5°	191.7
35°	137.5
37.5°	96.4
40°	68.3
42.5°	53.2
45°	26.1
47.5°	24.1
50°	21.1
52.5°	4.0
55°	20.1
57.5°	12.0
60°	1.0
62.5°	5.0
65°	1.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.0
70°	0.0
72.5°	2.0
75°	1.0
77.5°	4.0
80°	2.0
82.5°	2.0
85°	1.0
87.5°	0.0
90°	0.0

(END OF REPORT)