

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: P184041

Luminaire Tested: **L80825NF9027AH**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27070)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825NF9027AH
Description: HALO TRACK L LED 08, 2500 LM, NARROW FLOOD, ALUMINIUM HAZE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1834.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.43
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

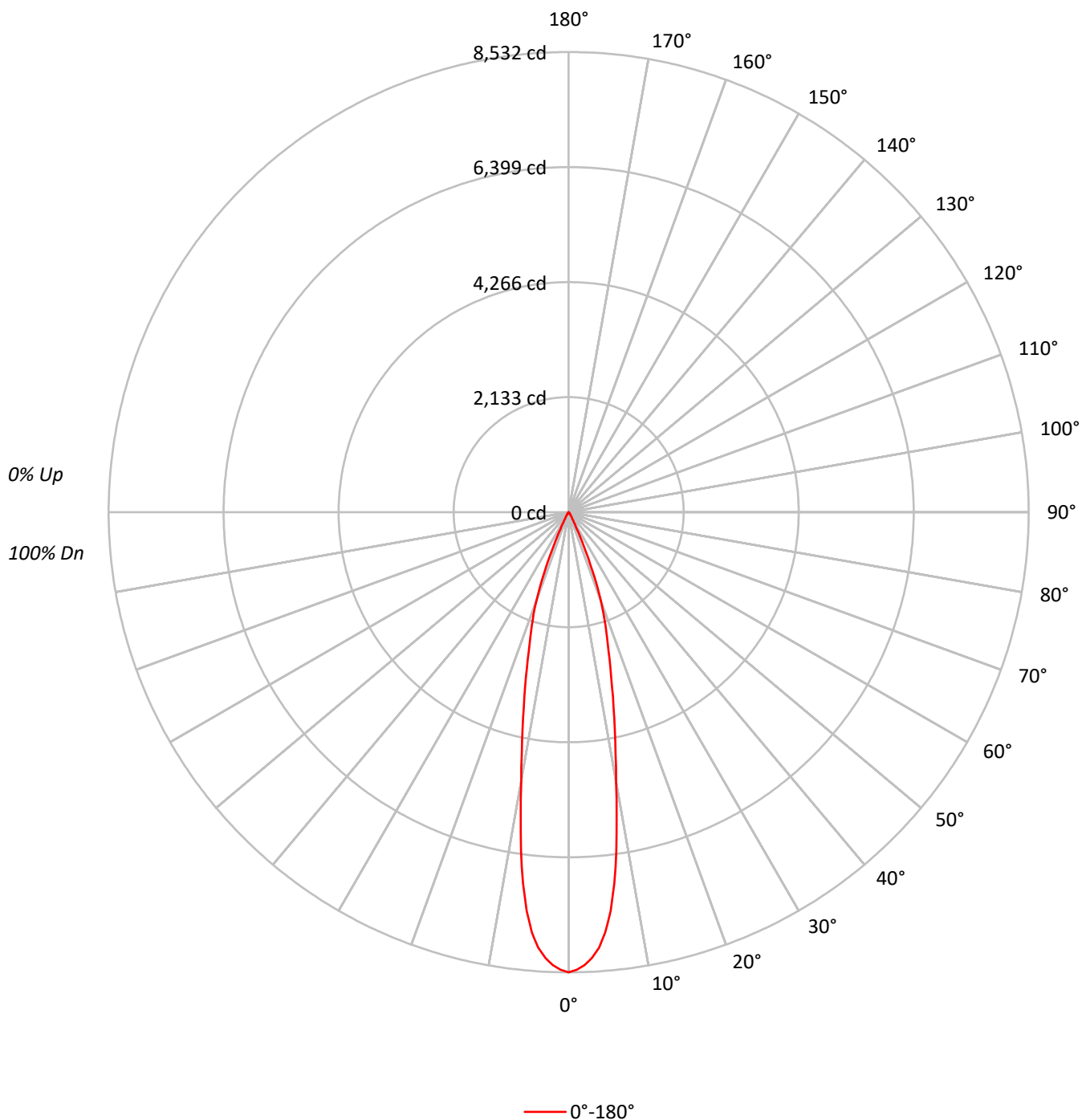
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94		
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91		
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	85		
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	83		
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	81		
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	78		
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76		
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1052336
5°	967913
10°	634809
15°	381775
20°	229537
25°	67994
30°	16436
35°	6490
40°	3558
45°	2268
50°	1727
55°	1290
60°	987
65°	584
70°	721
75°	477
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.8	35.7
10°-20°	841.5	45.9
20°-30°	286.4	15.6
30°-40°	31.5	1.7
40°-50°	10.8	0.6
50°-60°	5.5	0.3
60°-70°	2.5	0.1
70°-80°	1.1	0.1
80°-90°	0.0	0.0
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°	1782.7	97.2
0°-40°	1814.2	98.9
0°-60°	1830.4	99.8
0°-90°	1834.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8532	
5°	7817	655
15°	2990	841
25°	500	286
35°	43	32
45°	13	11
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8531.6
1°	8486.4
2°	8403.2
3°	8275.7
4°	8092.2
5°	7817.3
6°	7432.0
7°	6944.4
8°	6343.5
9°	5684.4
10°	5068.4
11°	4566.8
12°	4105.3
13°	3702.0
14°	3327.8
15°	2989.7
16°	2688.7
17°	2434.9
18°	2210.1
19°	1989.4
20°	1748.7
21°	1479.8
22°	1200.9
23°	940.0
24°	701.3
25°	499.6
26°	345.1
27°	252.8
28°	197.6
29°	153.5
30°	115.4
32.5°	65.2
35°	43.1
37.5°	30.1
40°	22.1
42.5°	17.1
45°	13.0
47.5°	11.0
50°	9.0
52.5°	7.0
55°	6.0
57.5°	5.0
60°	4.0
62.5°	3.0
65°	2.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)