

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: P184070

Luminaire Tested: **L80815NF9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27058)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815NF9040P
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1679.4 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.36 / 0.38
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

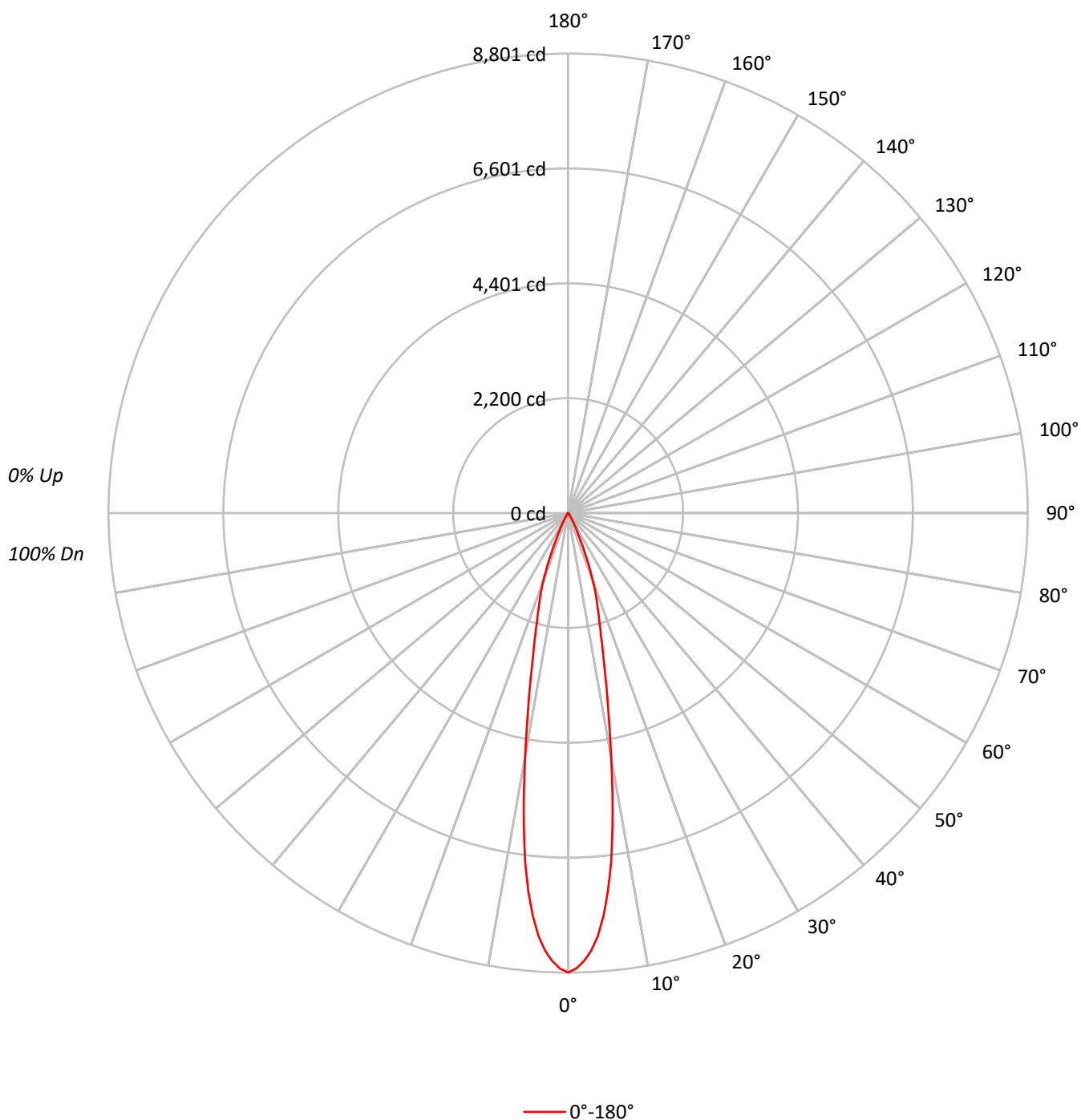
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80815NF9040P

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	105	104	103	102	101	100	99	98	97		
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93		
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90		
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88		
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85		
6	99	93	88	86	97	92	88	85	91	87	85	89	86	84	88	86	84	83		
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	83	81	80		
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	79	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1929955
5°	1706027
10°	1057651
15°	551581
20°	325225
25°	119717
30°	41753
35°	10413
40°	5840
45°	4031
50°	3787
55°	3555
60°	3245
65°	3840
70°	3590
75°	3135
80°	2399
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.7	38.2
10°-20°	705.9	42.0
20°-30°	265.0	15.8
30°-40°	35.9	2.1
40°-50°	11.2	0.7
50°-60°	8.3	0.5
60°-70°	7.1	0.4
70°-80°	4.4	0.3
80°-90°	0.8	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°	1611.6	96.0
0°-40°	1647.6	98.1
0°-60°	1667.1	99.3
0°-90°	1679.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1679.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8801	
5°	7750	641
15°	2430	706
25°	495	265
35°	39	36
45°	13	11
55°	9	8
65°	7	7
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8801.3
1°	8727.2
2°	8590.0
3°	8395.4
4°	8124.8
5°	7750.5
6°	7285.3
7°	6740.4
8°	6095.5
9°	5419.0
10°	4750.0
11°	4134.7
12°	3601.0
13°	3133.9
14°	2754.0
15°	2429.7
16°	2172.1
17°	1953.4
18°	1769.9
19°	1590.1
20°	1393.7
21°	1188.0
22°	989.7
23°	802.5
24°	637.5
25°	494.8
26°	394.8
27°	328.0
28°	270.6
29°	215.0
30°	164.9
32.5°	81.5
35°	38.9
37.5°	25.9
40°	20.4
42.5°	16.7
45°	13.0
47.5°	13.0
50°	11.1
52.5°	9.3
55°	9.3
57.5°	9.3
60°	7.4
62.5°	7.4
65°	7.4



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	7.4
70°	5.6
72.5°	5.6
75°	3.7
77.5°	3.7
80°	1.9
82.5°	1.9
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)