

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: P184068

Luminaire Tested: **L80815NF9027P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184068
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: L80815NF9027P
Description: HALO TRACK LL LED 08, 1500 LM, NARROW FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1379.0 lumens
Efficiency: N/A
Efficacy: 66.6 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

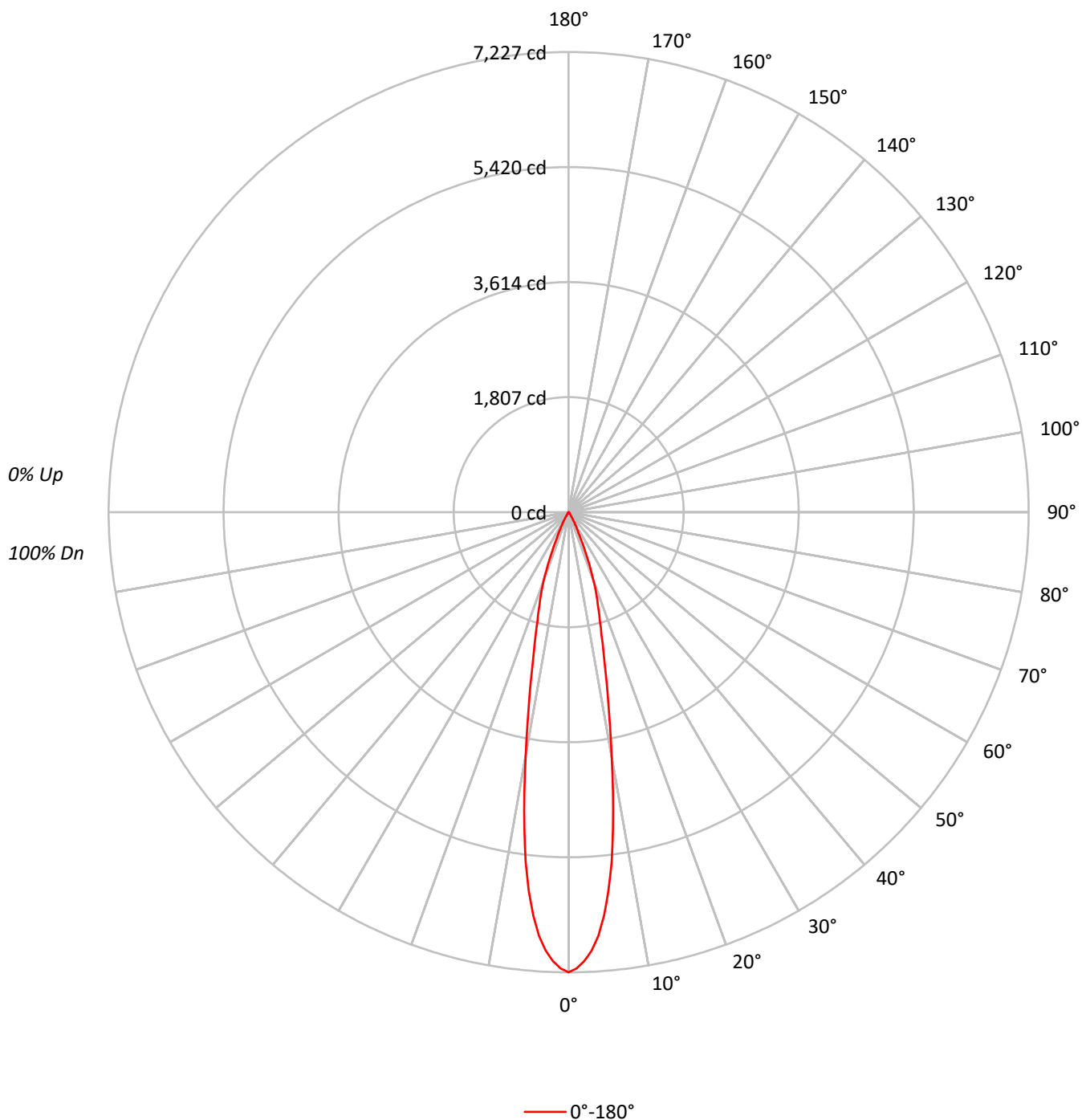
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	76	80	77	75	74		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1584763
5°	1400877
10°	868476
15°	452920
20°	267050
25°	98304
30°	34284
35°	8566
40°	4780
45°	3318
50°	3104
55°	2906
60°	2675
65°	3165
70°	2949
75°	2542
80°	1894
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.1	38.2
10°-20°	579.7	42.0
20°-30°	217.6	15.8
30°-40°	29.5	2.1
40°-50°	9.2	0.7
50°-60°	6.8	0.5
60°-70°	5.9	0.4
70°-80°	3.6	0.3
80°-90°	0.6	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°	1323.4	96.0
0°-40°	1352.9	98.1
0°-60°	1368.9	99.3
0°-90°	1379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1379.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7227	
5°	6364	526
15°	1995	580
25°	406	218
35°	32	30
45°	11	9
55°	8	7
65°	6	6
75°	3	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7227.1
1°	7166.2
2°	7053.6
3°	6893.8
4°	6671.6
5°	6364.2
6°	5982.2
7°	5534.8
8°	5005.2
9°	4449.8
10°	3900.4
11°	3395.1
12°	2956.9
13°	2573.4
14°	2261.4
15°	1995.1
16°	1783.6
17°	1604.0
18°	1453.3
19°	1305.7
20°	1144.4
21°	975.5
22°	812.6
23°	658.9
24°	523.5
25°	406.3
26°	324.1
27°	269.4
28°	222.2
29°	176.5
30°	135.4
32.5°	67.0
35°	32.0
37.5°	21.3
40°	16.7
42.5°	13.7
45°	10.7
47.5°	10.7
50°	9.1
52.5°	7.6
55°	7.6
57.5°	7.6
60°	6.1
62.5°	6.1
65°	6.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.1
70°	4.6
72.5°	4.6
75°	3.0
77.5°	3.0
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)