

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: P184297

Luminaire Tested: **L80808NF9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184297
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: L80808NF9030MB
Description: HALO TRACK L LED 08, 850 LM, NARROW FLOOD, MATTE BLACK

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 949.5 lumens
Efficiency: N/A
Efficacy: 79.8 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

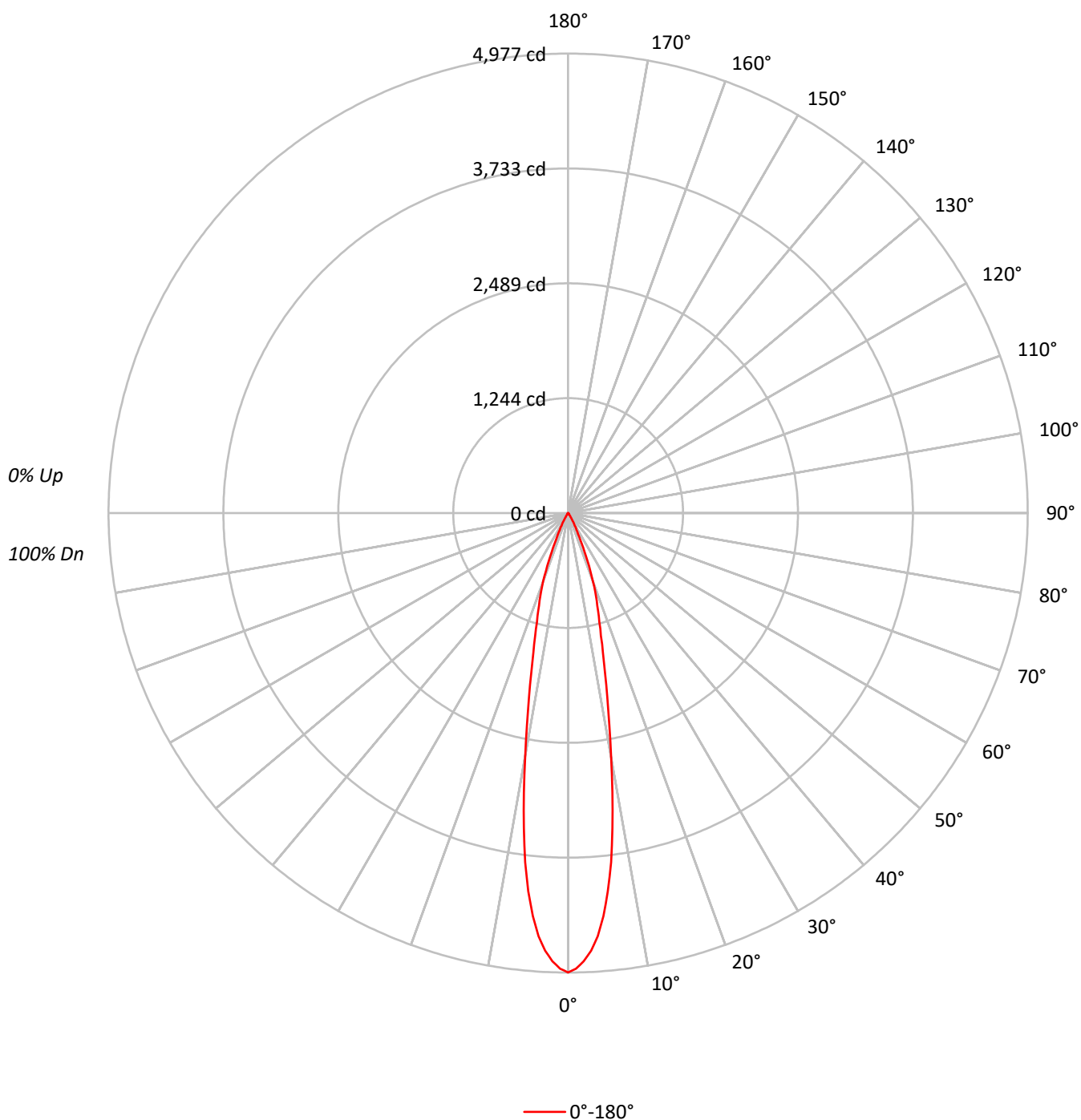
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1091316
5°	964690
10°	598052
15°	311897
20°	183906
25°	67697
30°	23624
35°	5889
40°	3292
45°	2264
50°	2149
55°	1988
60°	1842
65°	2179
70°	1988
75°	1779
80°	1263
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.3	38.2
10°-20°	399.2	42.0
20°-30°	149.8	15.8
30°-40°	20.3	2.1
40°-50°	6.3	0.7
50°-60°	4.7	0.5
60°-70°	4.0	0.4
70°-80°	2.5	0.3
80°-90°	0.4	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°	911.3	96.0
0°-40°	931.6	98.1
0°-60°	942.6	99.3
0°-90°	949.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4977	
5°	4383	362
15°	1374	399
25°	280	150
35°	22	20
45°	7	6
55°	5	5
65°	4	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4976.8
1°	4934.9
2°	4857.3
3°	4747.3
4°	4594.3
5°	4382.6
6°	4119.6
7°	3811.5
8°	3446.8
9°	3064.3
10°	2685.9
11°	2338.0
12°	2036.2
13°	1772.1
14°	1557.3
15°	1373.9
16°	1228.2
17°	1104.6
18°	1000.8
19°	899.2
20°	788.1
21°	671.7
22°	559.6
23°	453.8
24°	360.5
25°	279.8
26°	223.2
27°	185.5
28°	153.0
29°	121.6
30°	93.3
32.5°	46.1
35°	22.0
37.5°	14.7
40°	11.5
42.5°	9.4
45°	7.3
47.5°	7.3
50°	6.3
52.5°	5.2
55°	5.2
57.5°	5.2
60°	4.2
62.5°	4.2
65°	4.2



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	4.2
70°	3.1
72.5°	3.1
75°	2.1
77.5°	2.1
80°	1.0
82.5°	1.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)