

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: P184319

Luminaire Tested: **L80808FL9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27060)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80808FL9040P
Description: HALO TRACK L LED 08, 850 LM, FLOOD, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1049.8 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.7 / 0.7 / 0.62
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

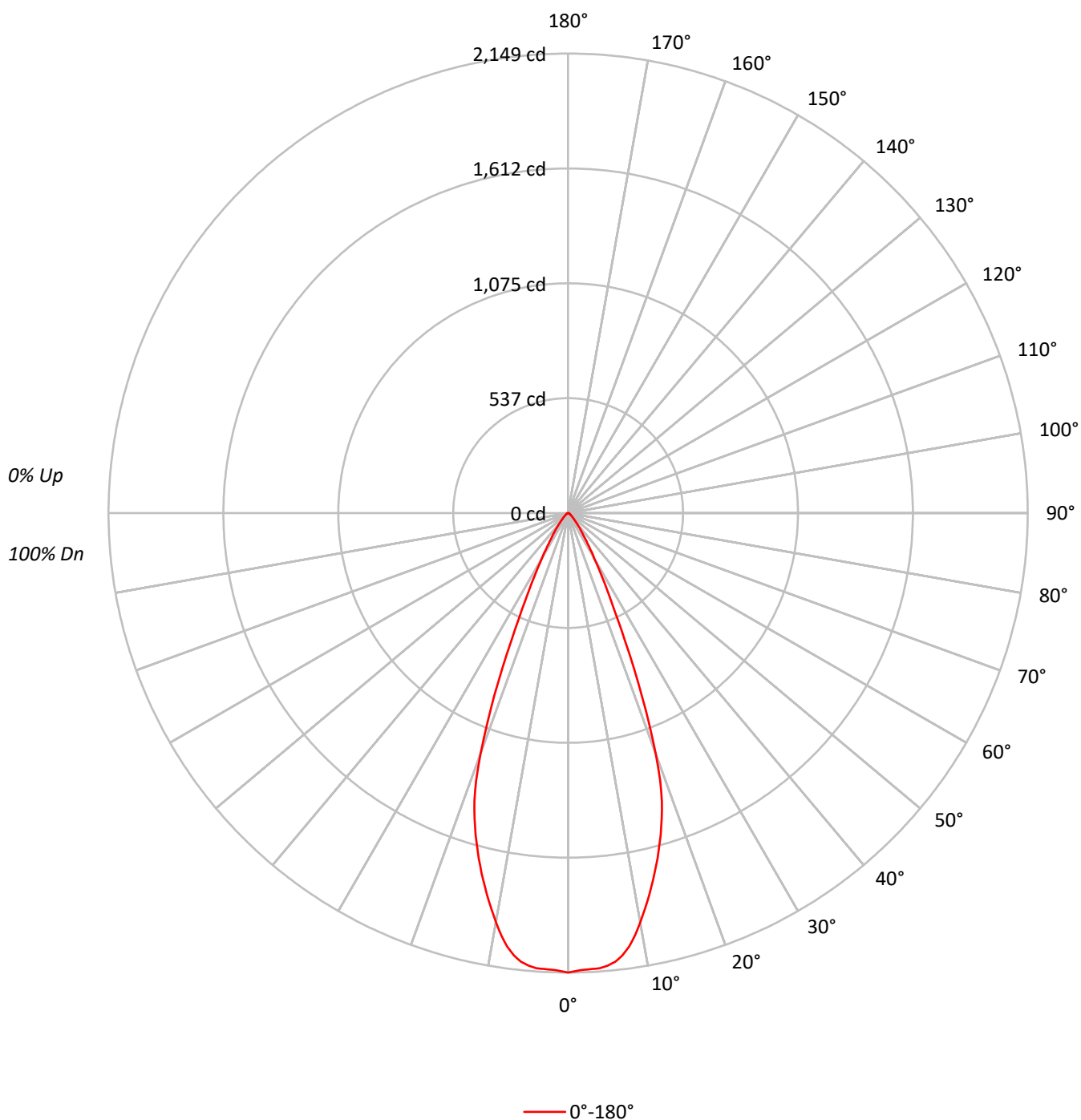
Input Watts (W): 11.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	109	107		112	110	108	106		106	104	102		102	101	99		98	97	97
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91
3	105	99	95	92		103	98	94	91		95	92	89		93	90	88		91	89	87
4	101	94	89	86		99	93	89	85		91	87	84		89	86	83		87	85	82
5	97	90	85	81		95	89	84	80		87	83	80		85	82	79		84	81	78
6	93	85	80	77		92	85	80	76		83	79	76		82	78	75		81	77	75
7	89	81	76	73		88	81	76	73		80	75	72		79	75	72		78	74	72
8	86	78	73	69		85	77	73	69		76	72	69		75	72	69		75	71	68
9	83	75	70	66		82	74	70	66		73	69	66		73	69	66		72	68	66
10	80	72	67	64		79	71	67	64		71	66	63		70	66	63		69	66	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	471234
5°	467663
10°	432412
15°	371217
20°	279861
25°	131379
30°	61959
35°	31936
40°	17776
45°	10203
50°	6652
55°	4664
60°	3728
65°	3788
70°	3911
75°	3135
80°	3031
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.3	18.8
10°-20°	448.0	42.7
20°-30°	272.2	25.9
30°-40°	80.6	7.7
40°-50°	27.5	2.6
50°-60°	11.8	1.1
60°-70°	7.2	0.7
70°-80°	4.4	0.4
80°-90°	0.7	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°	917.6	87.4
0°-40°	998.2	95.1
0°-60°	1037.5	98.8
0°-90°	1049.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1049.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2149	
5°	2125	197
15°	1635	448
25°	543	272
35°	119	81
45°	33	28
55°	12	12
65°	7	7
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2149.0
1°	2141.7
2°	2136.8
3°	2135.6
4°	2133.2
5°	2124.6
6°	2110.0
7°	2084.5
8°	2047.9
9°	1999.2
10°	1942.0
11°	1884.8
12°	1823.9
13°	1763.0
14°	1700.9
15°	1635.2
16°	1568.2
17°	1496.4
18°	1418.5
19°	1322.3
20°	1199.3
21°	1060.5
22°	919.3
23°	785.3
24°	657.5
25°	543.0
26°	460.2
27°	398.1
28°	342.1
29°	291.0
30°	244.7
32.5°	169.2
35°	119.3
37.5°	85.2
40°	62.1
42.5°	45.0
45°	32.9
47.5°	25.6
50°	19.5
52.5°	15.8
55°	12.2
57.5°	11.0
60°	8.5
62.5°	8.5
65°	7.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	6.1
70°	6.1
72.5°	4.9
75°	3.7
77.5°	3.7
80°	2.4
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)