

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: P184109

Luminaire Tested: **L80815FL9040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184109
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: L80815FL9040MB
Description: HALO TRACK L LED 08, 1500 LM, FLOOD, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1484.5 lumens
Efficiency: N/A
Efficacy: 71.7 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

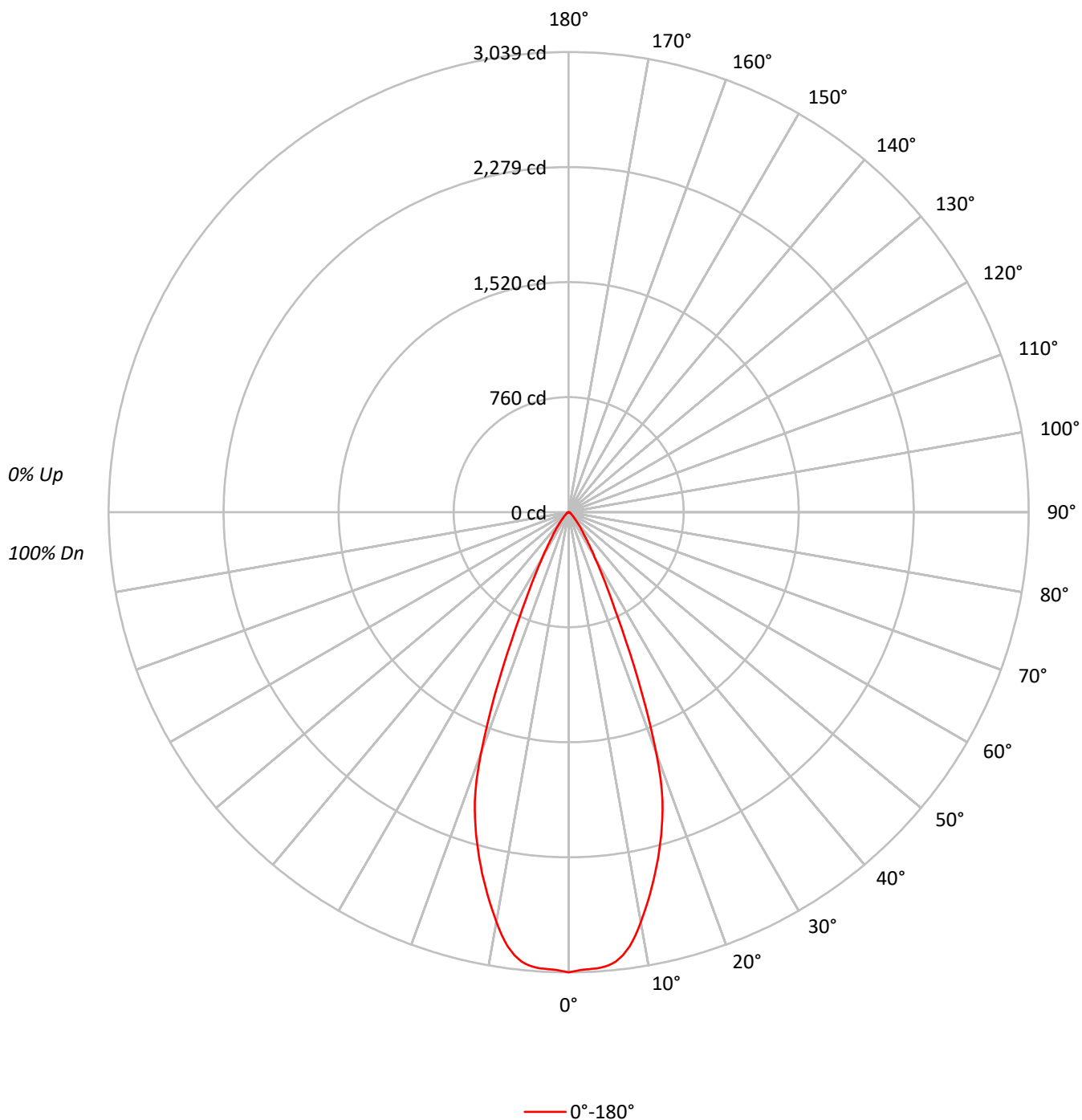
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P184109

CATALOG NUMBER: L80815FL9040MB

Luminous Intensity Polar Plot





TEST NUMBER: P184109

CATALOG NUMBER: L80815FL9040MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20						20
RC	80					70					50					30					10	0
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	114	112	109	107		112	110	108	106		106	104	102		102	101	99		98	97	97	95
2	109	105	102	99		107	103	100	97		100	98	95		97	95	93		95	93	91	90
3	105	99	95	92		103	98	94	91		95	92	89		93	90	88		91	89	87	85
4	101	94	89	86		99	93	89	85		91	87	84		89	86	83		87	85	82	81
5	97	90	85	81		95	89	84	80		87	83	80		85	82	79		84	81	78	77
6	93	85	80	77		92	85	80	76		83	79	76		82	78	75		81	77	75	74
7	89	81	76	73		88	81	76	73		80	75	72		79	75	72		78	74	72	70
8	86	78	73	69		85	77	73	69		76	72	69		75	72	69		75	71	68	67
9	83	75	70	66		82	74	70	66		73	69	66		73	69	66		72	68	66	65
10	80	72	67	64		79	71	67	64		71	66	63		70	66	63		69	66	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	666394
5°	661367
10°	611501
15°	524952
20°	395768
25°	185793
30°	87634
35°	45160
40°	25133
45°	14420
50°	9381
55°	6576
60°	5307
65°	5344
70°	5514
75°	4406
80°	4293
85°	0



TEST NUMBER: P184109

CATALOG NUMBER: L80815FL9040MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.1	18.8
10°-20°	633.6	42.7
20°-30°	385.0	25.9
30°-40°	114.0	7.7
40°-50°	38.9	2.6
50°-60°	16.7	1.1
60°-70°	10.2	0.7
70°-80°	6.1	0.4
80°-90°	0.9	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°	1297.7	87.4
0°-40°	1411.7	95.1
0°-60°	1467.2	98.8
0°-90°	1484.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1484.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3039	
5°	3005	279
15°	2312	634
25°	768	385
35°	169	114
45°	46	39
55°	17	17
65°	10	10
75°	5	6
85°	0	1
90°	0	



TEST NUMBER: P184109

CATALOG NUMBER: L80815FL9040MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3039.0
1°	3028.7
2°	3021.8
3°	3020.1
4°	3016.6
5°	3004.6
6°	2983.9
7°	2947.7
8°	2896.1
9°	2827.2
10°	2746.3
11°	2665.4
12°	2579.3
13°	2493.2
14°	2405.4
15°	2312.4
16°	2217.7
17°	2116.1
18°	2005.9
19°	1869.9
20°	1696.0
21°	1499.7
22°	1300.0
23°	1110.6
24°	929.8
25°	767.9
26°	650.8
27°	563.0
28°	483.8
29°	411.5
30°	346.1
32.5°	239.3
35°	168.7
37.5°	120.5
40°	87.8
42.5°	63.7
45°	46.5
47.5°	36.2
50°	27.5
52.5°	22.4
55°	17.2
57.5°	15.5
60°	12.1
62.5°	12.1
65°	10.3



TEST NUMBER: P184109

CATALOG NUMBER: L80815FL9040MB

CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.6
70°	8.6
72.5°	6.9
75°	5.2
77.5°	5.2
80°	3.4
82.5°	1.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)