

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: P188921

Luminaire Tested: **L80815FL9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188921
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: L80815FL9035MB
Description: HALO TRACK LL LED 08, 1500 LM, FLOOD, MATTE BLACK

Light Source: EATON LED 3500K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1403.0 lumens
Efficiency: N/A
Efficacy: 67.8 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

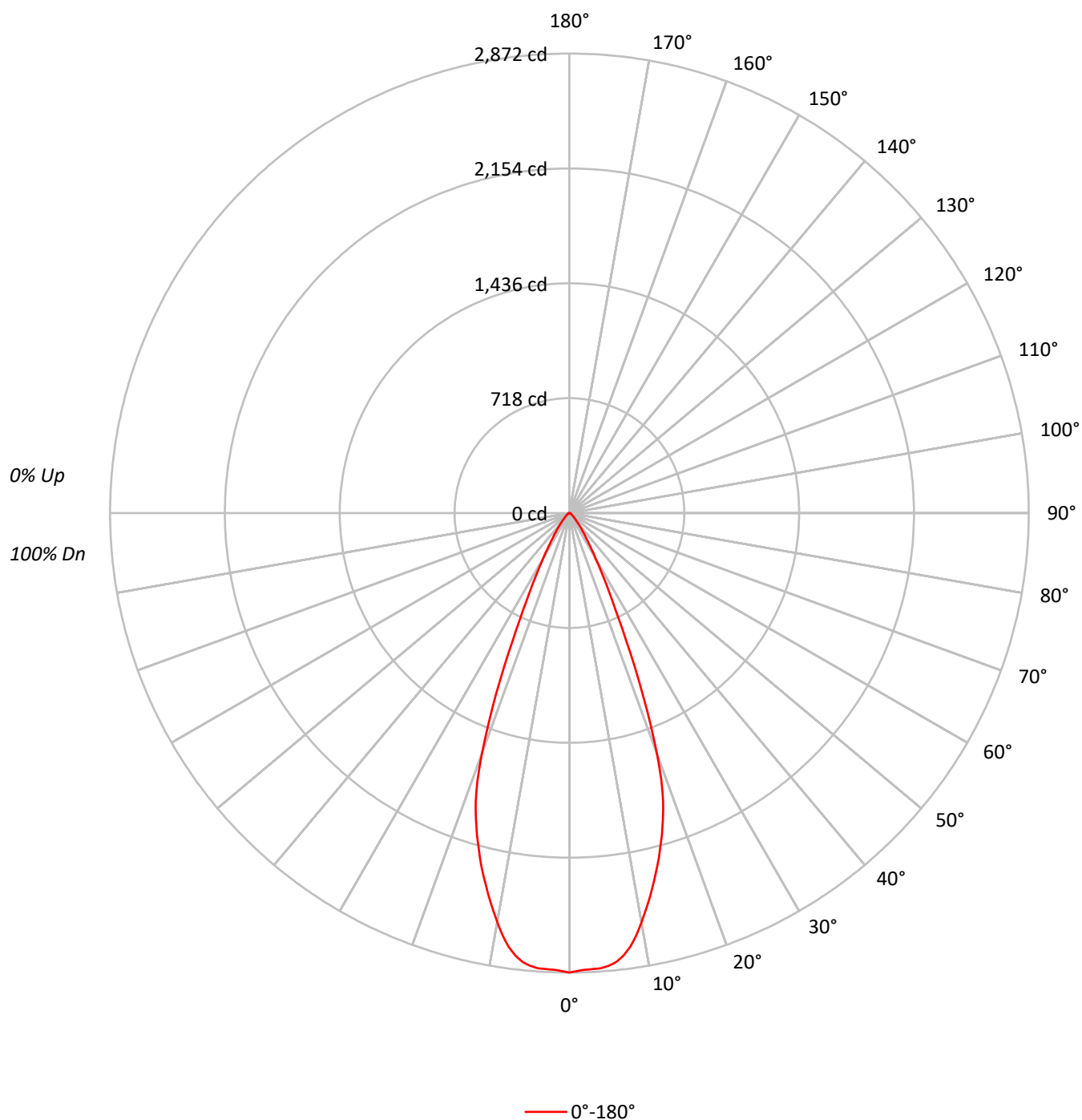
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80815FL9035MB

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					0
RW	70	50	30	10	70	50	30	10	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°	629796
5°	625026
10°	577923
15°	496121
20°	374019
25°	175607
30°	82823
35°	42697
40°	23759
45°	13614
50°	8870
55°	6232
60°	5000
65°	5085
70°	5193
75°	4151
80°	4167
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.8	18.8
10°-20°	598.8	42.7
20°-30°	363.8	25.9
30°-40°	107.8	7.7
40°-50°	36.7	2.6
50°-60°	15.8	1.1
60°-70°	9.7	0.7
70°-80°	5.8	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°	1226.4	87.4
0°-40°	1334.2	95.1
0°-60°	1386.7	98.8
0°-90°	1403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2872	
5°	2840	264
15°	2185	599
25°	726	364
35°	160	108
45°	44	37
55°	16	16
65°	10	10
75°	5	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2872.1
1°	2862.3
2°	2855.8
3°	2854.2
4°	2850.9
5°	2839.5
6°	2820.0
7°	2785.8
8°	2737.0
9°	2671.9
10°	2595.5
11°	2519.0
12°	2437.6
13°	2356.3
14°	2273.3
15°	2185.4
16°	2095.9
17°	1999.9
18°	1895.7
19°	1767.2
20°	1602.8
21°	1417.3
22°	1228.6
23°	1049.6
24°	878.7
25°	725.8
26°	615.1
27°	532.1
28°	457.3
29°	388.9
30°	327.1
32.5°	226.2
35°	159.5
37.5°	113.9
40°	83.0
42.5°	60.2
45°	43.9
47.5°	34.2
50°	26.0
52.5°	21.2
55°	16.3
57.5°	14.6
60°	11.4
62.5°	11.4
65°	9.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	8.1
70°	8.1
72.5°	6.5
75°	4.9
77.5°	4.9
80°	3.3
82.5°	1.6
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)