

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: P188912

Luminaire Tested: **L80825FL9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188912
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27071)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825FL9035MB
Description: HALO TRACK L LED 08, 2500 LM, FLOOD, BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2349.7 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.55
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

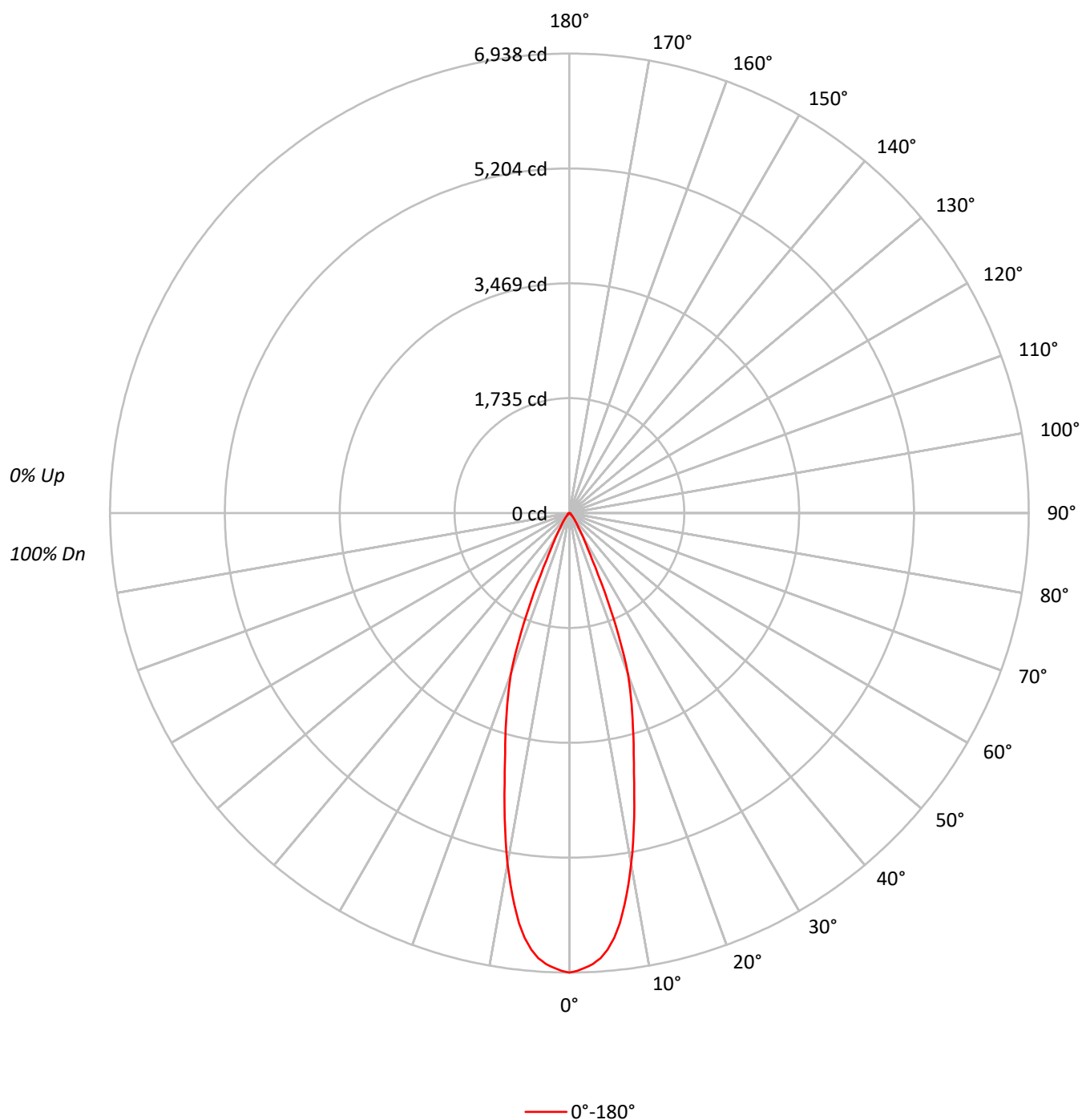
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80825FL9035MB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96		96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92		92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88		88
4	103	97	92	89	101	96	92	88	93	90	87	92	89	86	90	87	85	84		84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81		81
6	96	89	84	81	94	88	84	80	87	83	80	85	82	79	84	81	79	78		78
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75		75
8	89	82	77	74	88	81	77	74	80	77	74	80	76	73	79	76	73	72		72
9	86	79	74	71	86	79	74	71	78	74	71	77	73	71	76	73	71	70		70
10	84	76	72	69	83	76	72	69	75	71	69	75	71	68	74	71	68	67		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	855772
5°	819370
10°	673423
15°	479233
20°	339745
25°	139458
30°	53040
35°	26818
40°	15087
45°	8670
50°	5104
55°	3226
60°	1998
65°	1343
70°	829
75°	572
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.5	25.2
10°-20°	1048.9	44.6
20°-30°	527.6	22.5
30°-40°	120.9	5.1
40°-50°	40.9	1.7
50°-60°	13.8	0.6
60°-70°	4.7	0.2
70°-80°	1.3	0.1
80°-90°	0.0	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°	2168.1	92.3
0°-40°	2289.0	97.4
0°-60°	2343.8	99.7
0°-90°	2349.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2349.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6938	
5°	6618	592
15°	3753	1049
25°	1025	528
35°	178	121
45°	50	41
55°	15	14
65°	5	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6938.0
1°	6911.4
2°	6869.8
3°	6815.4
4°	6735.6
5°	6617.6
6°	6452.3
7°	6239.5
8°	5979.2
9°	5686.6
10°	5376.7
11°	5045.9
12°	4702.4
13°	4356.6
14°	4035.1
15°	3752.9
16°	3502.0
17°	3263.7
18°	3039.4
19°	2816.1
20°	2588.3
21°	2286.5
22°	1960.3
23°	1633.0
24°	1315.0
25°	1024.7
26°	794.5
27°	633.8
28°	537.8
29°	451.0
30°	372.4
32.5°	251.0
35°	178.1
37.5°	128.4
40°	93.7
42.5°	68.2
45°	49.7
47.5°	37.0
50°	26.6
52.5°	19.7
55°	15.0
57.5°	10.4
60°	8.1
62.5°	5.8
65°	4.6



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.5
70°	2.3
72.5°	1.2
75°	1.2
77.5°	1.2
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)