

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: P188918

Luminaire Tested: **L80815SP9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27054)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80815SP9035MB
Description: HALO TRACK LL LED 08, 1500 LM, SPOT, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1452.2 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

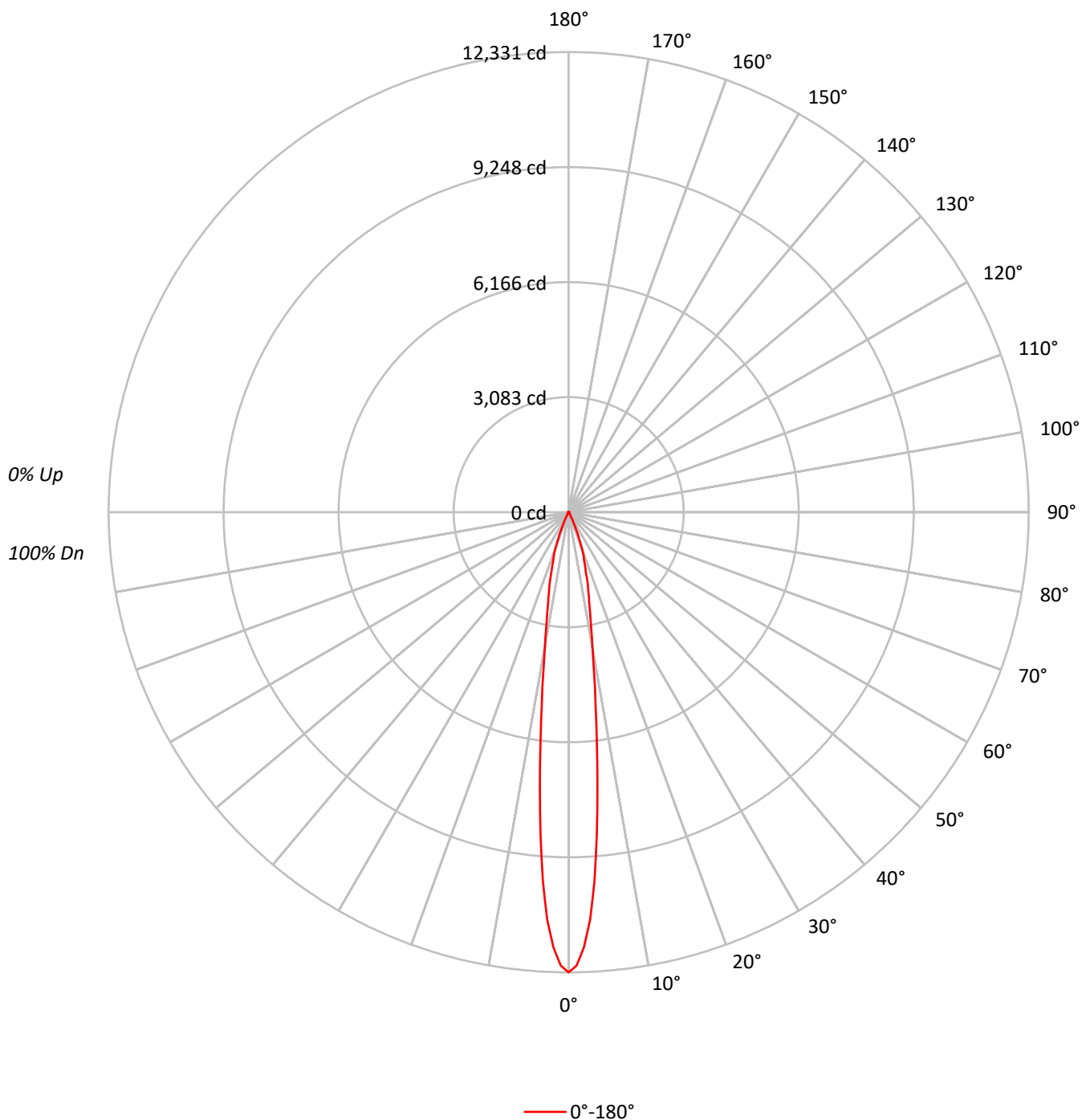
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	50	30	10		
R	C																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96							
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93							
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90							
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87							
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	91	88	86	85							
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83							
7	97	90	86	84	95	90	86	83	89	85	83	88	85	83	87	84	82	81							
8	94	88	84	81	93	87	84	81	87	83	81	86	83	81	85	82	80	79							
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78							
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2703906
5°	1911661
10°	815371
15°	442227
20°	240028
25°	73504
30°	18028
35°	11859
40°	6784
45°	3938
50°	7027
55°	6040
60°	6228
65°	4929
70°	5065
75°	8049
80°	17932
85°	27927



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	648.9	44.7
10°-20°	545.1	37.5
20°-30°	169.5	11.7
30°-40°	27.3	1.9
40°-50°	15.1	1.0
50°-60°	13.8	0.9
60°-70°	10.2	0.7
70°-80°	10.9	0.8
80°-90°	11.4	0.8
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°	1363.5	93.9
0°-40°	1390.8	95.8
0°-60°	1419.7	97.8
0°-90°	1452.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1452.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12331	
5°	8685	649
15°	1948	545
25°	304	170
35°	44	27
45°	13	15
55°	16	14
65°	10	10
75°	10	11
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12330.8
1°	12155.1
2°	11664.5
3°	10933.4
4°	9903.2
5°	8684.7
6°	7380.7
7°	6168.5
8°	5190.6
9°	4323.4
10°	3661.9
11°	3157.1
12°	2766.2
13°	2446.5
14°	2190.2
15°	1948.0
16°	1672.7
17°	1490.7
18°	1334.0
19°	1212.2
20°	1028.6
21°	849.8
22°	685.2
23°	539.6
24°	416.2
25°	303.8
26°	221.5
27°	159.8
28°	140.8
29°	88.6
30°	71.2
32.5°	39.6
35°	44.3
37.5°	44.3
40°	23.7
42.5°	34.8
45°	12.7
47.5°	9.5
50°	20.6
52.5°	14.2
55°	15.8
57.5°	14.2
60°	14.2
62.5°	7.9
65°	9.5



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.7
70°	7.9
72.5°	11.1
75°	9.5
77.5°	9.5
80°	14.2
82.5°	7.9
85°	11.1
87.5°	15.8
90°	0.0

(END OF REPORT)