

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: P188919

Luminaire Tested: **L80815SP9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188919
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: L80815SP9035P
Description: HALO TRACK LL LED 08, 1500 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1580.2 lumens
Efficiency: N/A
Efficacy: 76.3 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

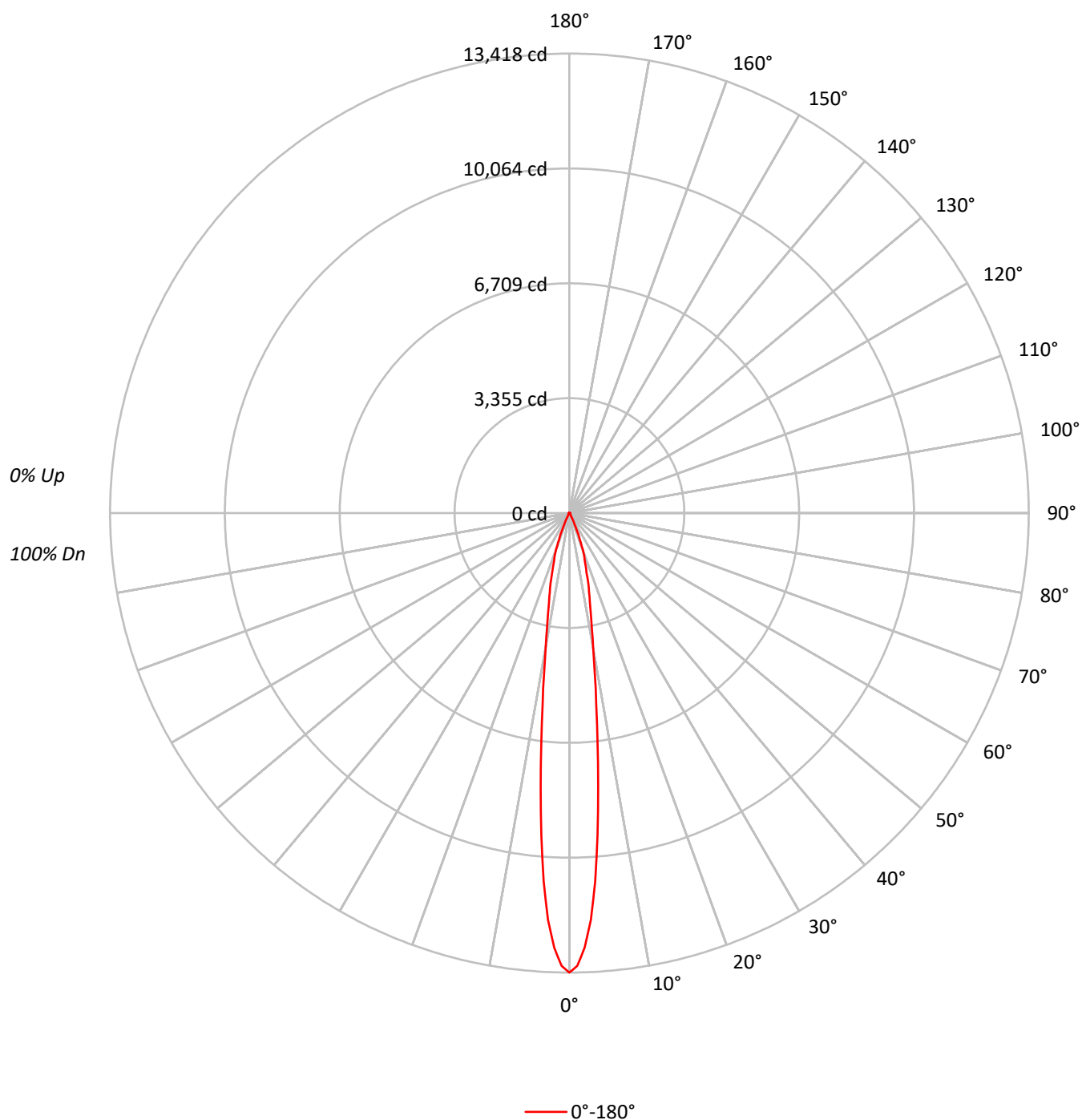
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	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	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°	2942242
5°	2080184
10°	887247
15°	481229
20°	261193
25°	79988
30°	19623
35°	12903
40°	7385
45°	4280
50°	7642
55°	6576
60°	6798
65°	5344
70°	5514
75°	8727
80°	19573
85°	30443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.1	44.7
10°-20°	593.2	37.5
20°-30°	184.5	11.7
30°-40°	29.7	1.9
40°-50°	16.4	1.0
50°-60°	15.0	1.0
60°-70°	11.1	0.7
70°-80°	11.8	0.7
80°-90°	12.4	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°	1483.7	93.9
0°-40°	1513.4	95.8
0°-60°	1544.8	97.8
0°-90°	1580.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1580.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13418	
5°	9450	706
15°	2120	593
25°	331	184
35°	48	30
45°	14	16
55°	17	15
65°	10	11
75°	10	12
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	13417.7
1°	13226.6
2°	12692.8
3°	11897.2
4°	10776.2
5°	9450.3
6°	8031.4
7°	6712.3
8°	5648.1
9°	4704.5
10°	3984.7
11°	3435.4
12°	3010.0
13°	2662.2
14°	2383.2
15°	2119.8
16°	1820.1
17°	1622.1
18°	1451.6
19°	1319.0
20°	1119.3
21°	924.7
22°	745.6
23°	587.2
24°	452.9
25°	330.6
26°	241.1
27°	173.9
28°	153.3
29°	96.4
30°	77.5
32.5°	43.0
35°	48.2
37.5°	48.2
40°	25.8
42.5°	37.9
45°	13.8
47.5°	10.3
50°	22.4
52.5°	15.5
55°	17.2
57.5°	15.5
60°	15.5
62.5°	8.6
65°	10.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.8
70°	8.6
72.5°	12.1
75°	10.3
77.5°	10.3
80°	15.5
82.5°	8.6
85°	12.1
87.5°	17.2
90°	0.0

(END OF REPORT)