

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: P184088

Luminaire Tested: **L80815SP9040P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184088
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: L80815SP9040P
Description: HALO TRACK L LED 08, 1500 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1849.0 lumens
Efficiency: N/A
Efficacy: 89.3 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

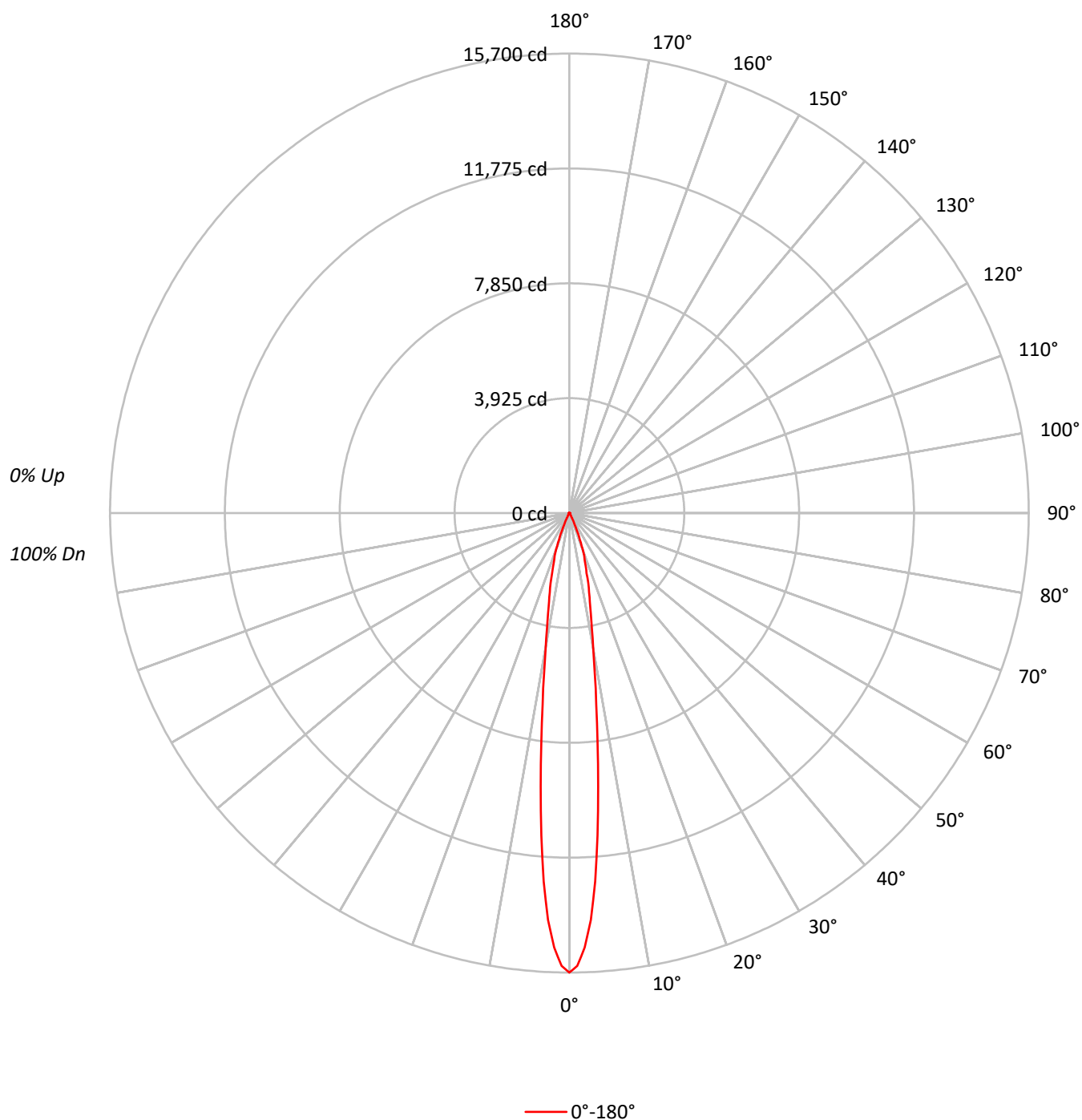
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3442641
5°	2433958
10°	1038146
15°	563068
20°	305623
25°	93610
30°	22966
35°	15098
40°	8645
45°	4993
50°	8938
55°	7684
60°	7938
65°	6278
70°	6475
75°	10252
80°	22856
85°	35475



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.1	44.7
10°-20°	694.0	37.5
20°-30°	215.9	11.7
30°-40°	34.7	1.9
40°-50°	19.2	1.0
50°-60°	17.6	0.9
60°-70°	13.0	0.7
70°-80°	13.9	0.8
80°-90°	14.5	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°	1736.1	93.9
0°-40°	1770.8	95.8
0°-60°	1807.5	97.8
0°-90°	1849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15700	
5°	11058	826
15°	2480	694
25°	387	216
35°	56	35
45°	16	19
55°	20	18
65°	12	13
75°	12	14
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	15699.7
1°	15476.1
2°	14851.5
3°	13920.6
4°	12608.9
5°	11057.5
6°	9397.3
7°	7853.9
8°	6608.7
9°	5504.6
10°	4662.4
11°	4019.6
12°	3522.0
13°	3115.0
14°	2788.6
15°	2480.3
16°	2129.7
17°	1898.0
18°	1698.5
19°	1543.4
20°	1309.7
21°	1082.0
22°	872.4
23°	687.1
24°	529.9
25°	386.9
26°	282.1
27°	203.5
28°	179.3
29°	112.8
30°	90.7
32.5°	50.4
35°	56.4
37.5°	56.4
40°	30.2
42.5°	44.3
45°	16.1
47.5°	12.1
50°	26.2
52.5°	18.1
55°	20.1
57.5°	18.1
60°	18.1
62.5°	10.1
65°	12.1



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	16.1
70°	10.1
72.5°	14.1
75°	12.1
77.5°	12.1
80°	18.1
82.5°	10.1
85°	14.1
87.5°	20.1
90°	0.0

(END OF REPORT)