

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: P184087

Luminaire Tested: **L80815SP9030P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184087
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: L80815SP9030P
Description: HALO TRACK L LED 08, 1500 LM, SPOT, WHITE

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1505.5 lumens
Efficiency: N/A
Efficacy: 72.7 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

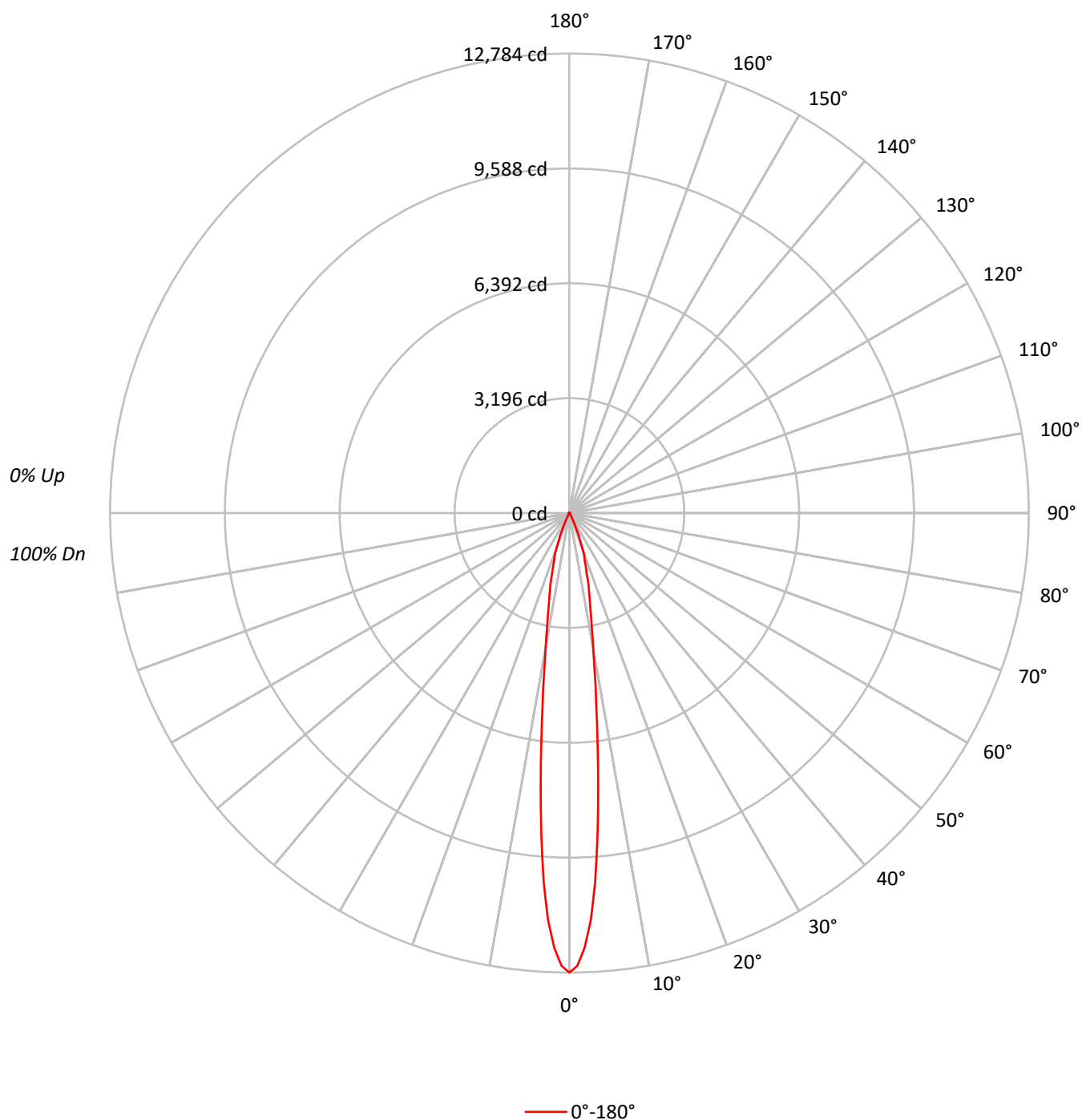
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2803175
5°	1981857
10°	845297
15°	458482
20°	248848
25°	76214
30°	18686
35°	12287
40°	7042
45°	4062
50°	7266
55°	6270
60°	6491
65°	5085
70°	5257
75°	8303
80°	18689
85°	28934



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	672.7	44.7
10°-20°	565.1	37.5
20°-30°	175.8	11.7
30°-40°	28.3	1.9
40°-50°	15.6	1.0
50°-60°	14.3	1.0
60°-70°	10.6	0.7
70°-80°	11.3	0.7
80°-90°	11.9	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°	1413.6	93.9
0°-40°	1441.9	95.8
0°-60°	1471.8	97.8
0°-90°	1505.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1505.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12784	
5°	9004	673
15°	2020	565
25°	315	176
35°	46	28
45°	13	16
55°	16	14
65°	10	11
75°	10	11
85°	12	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12783.5
1°	12601.4
2°	12092.8
3°	11334.9
4°	10266.9
5°	9003.6
6°	7651.7
7°	6395.1
8°	5381.2
9°	4482.1
10°	3796.3
11°	3273.0
12°	2867.8
13°	2536.4
14°	2270.6
15°	2019.6
16°	1734.1
17°	1545.4
18°	1383.0
19°	1256.7
20°	1066.4
21°	881.0
22°	710.4
23°	559.4
24°	431.5
25°	315.0
26°	229.7
27°	165.7
28°	146.0
29°	91.9
30°	73.8
32.5°	41.0
35°	45.9
37.5°	45.9
40°	24.6
42.5°	36.1
45°	13.1
47.5°	9.8
50°	21.3
52.5°	14.8
55°	16.4
57.5°	14.8
60°	14.8
62.5°	8.2
65°	9.8



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	13.1
70°	8.2
72.5°	11.5
75°	9.8
77.5°	9.8
80°	14.8
82.5°	8.2
85°	11.5
87.5°	16.4
90°	0.0

(END OF REPORT)