

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: P184090

Luminaire Tested: **L80815SP9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184090
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: L80815SP9030MB
Description: HALO TRACK L LED 08, 1500 LM, SPOT, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1383.6 lumens
Efficiency: N/A
Efficacy: 66.8 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

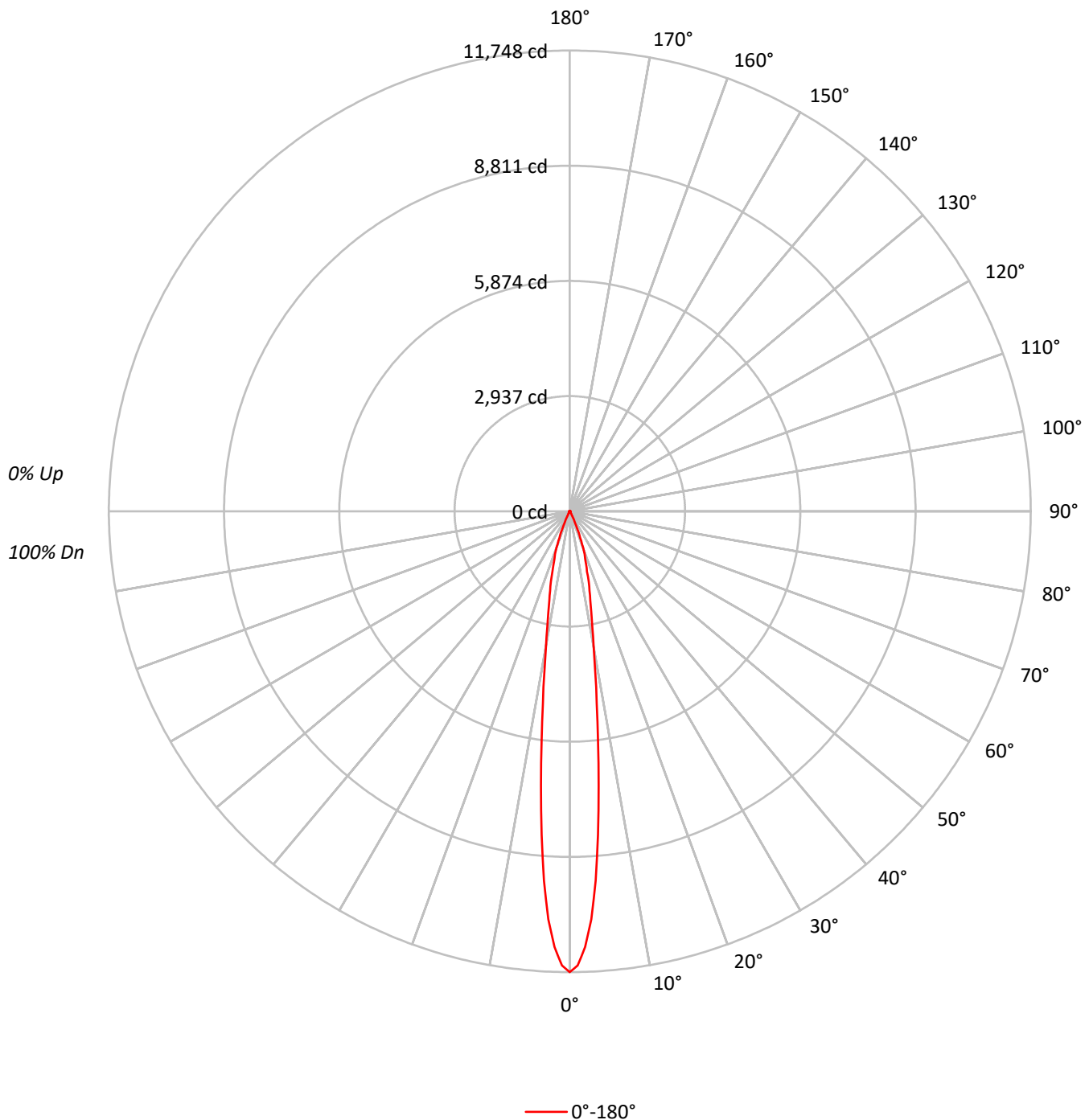
Input Watts (W): 20.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: L80815SP9030MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2576087
5°	1821303
10°	776828
15°	421342
20°	228687
25°	70044
30°	17167
35°	11297
40°	6469
45°	3752
50°	6686
55°	5773
60°	5964
65°	4670
70°	4809
75°	7625
80°	17174
85°	26669



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.2	44.7
10°-20°	519.3	37.5
20°-30°	161.5	11.7
30°-40°	26.0	1.9
40°-50°	14.4	1.0
50°-60°	13.2	1.0
60°-70°	9.7	0.7
70°-80°	10.4	0.7
80°-90°	10.9	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°	1299.1	93.9
0°-40°	1325.0	95.8
0°-60°	1352.6	97.8
0°-90°	1383.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11748	
5°	8274	618
15°	1856	519
25°	290	162
35°	42	26
45°	12	14
55°	15	13
65°	9	10
75°	9	10
85°	11	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11747.9
1°	11580.6
2°	11113.2
3°	10416.6
4°	9435.1
5°	8274.2
6°	7031.9
7°	5877.0
8°	4945.2
9°	4119.0
10°	3488.8
11°	3007.8
12°	2635.4
13°	2330.9
14°	2086.6
15°	1856.0
16°	1593.6
17°	1420.2
18°	1271.0
19°	1154.9
20°	980.0
21°	809.6
22°	652.8
23°	514.1
24°	396.5
25°	289.5
26°	211.1
27°	152.3
28°	134.2
29°	84.4
30°	67.8
32.5°	37.7
35°	42.2
37.5°	42.2
40°	22.6
42.5°	33.2
45°	12.1
47.5°	9.0
50°	19.6
52.5°	13.6
55°	15.1
57.5°	13.6
60°	13.6
62.5°	7.5
65°	9.0



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	12.1
70°	7.5
72.5°	10.6
75°	9.0
77.5°	9.0
80°	13.6
82.5°	7.5
85°	10.6
87.5°	15.1
90°	0.0

(END OF REPORT)