

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: P184054

Luminaire Tested: **L80825SP9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P184054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27067)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825SP9030MB
Description: HALO TRACK L LED 08, 2500 LM, SPOT, MATTE BLACK

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2369.5 lumens
Efficiency: N/A
Efficacy: 67.9 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

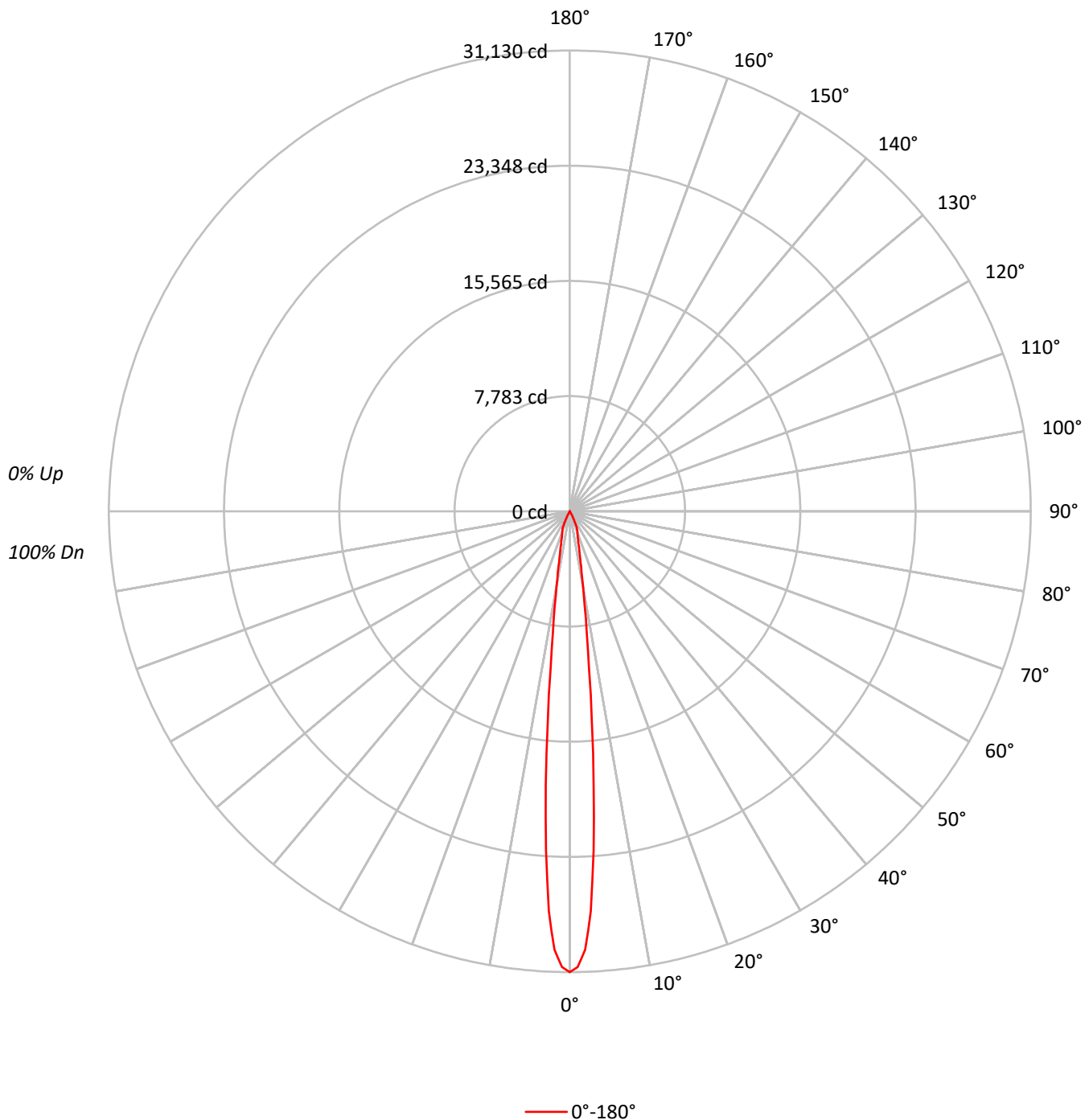
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					100			
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97					97			
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95					95			
3	109	105	102	99	107	104	101	99	101	99	97	99	97	96	97	95	94	93					93			
4	106	102	98	96	105	101	98	95	99	96	94	97	95	93	95	94	92	91					91			
5	104	99	95	93	103	98	95	92	96	94	91	95	93	91	94	92	90	89					89			
6	102	96	93	90	100	96	92	90	94	91	89	93	91	89	92	90	88	87					87			
7	99	94	90	88	98	93	90	88	92	89	87	91	89	87	90	88	86	85					85			
8	97	92	88	86	96	91	88	86	90	87	85	90	87	85	89	86	85	84					84			
9	95	90	86	84	95	89	86	84	89	86	84	88	85	83	87	85	83	82					82			
10	94	88	85	82	93	88	84	82	87	84	82	86	84	82	86	84	82	81					81			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3839700
5°	2295774
10°	642499
15°	290012
20°	196328
25°	117588
30°	16308
35°	3087
40°	692
45°	1884
50°	614
55°	1161
60°	543
65°	1255
70°	1154
75°	4623
80°	781
85°	6085



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1283.7	54.2
10°-20°	687.3	29.0
20°-30°	362.7	15.3
30°-40°	17.5	0.7
40°-50°	5.4	0.2
50°-60°	3.0	0.1
60°-70°	3.1	0.1
70°-80°	4.3	0.2
80°-90°	2.5	0.1
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°	2333.7	98.5
0°-40°	2351.2	99.2
0°-60°	2359.6	99.6
0°-90°	2369.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2369.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31130	
5°	18542	###
15°	2271	687
25°	864	363
35°	20	18
45°	11	5
55°	5	3
65°	4	3
75°	10	4
85°	4	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	31129.6
1°	30789.4
2°	29629.6
3°	27044.2
4°	22968.4
5°	18541.7
6°	14253.2
7°	10688.3
8°	8207.6
9°	6443.0
10°	5129.8
11°	4190.2
12°	3507.7
13°	2999.0
14°	2601.6
15°	2271.1
16°	2021.7
17°	1830.5
18°	1695.5
19°	1576.7
20°	1495.7
21°	1411.5
22°	1334.8
23°	1209.5
24°	1060.5
25°	864.0
26°	658.8
27°	481.7
28°	301.3
29°	193.3
30°	114.5
32.5°	35.6
35°	20.5
37.5°	3.2
40°	4.3
42.5°	3.2
45°	10.8
47.5°	9.7
50°	3.2
52.5°	3.2
55°	5.4
57.5°	2.2
60°	2.2
62.5°	2.2
65°	4.3



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CANDELA DISTRIBUTION (continued):

	0°
67.5°	3.2
70°	3.2
72.5°	0.0
75°	9.7
77.5°	4.3
80°	1.1
82.5°	2.2
85°	4.3
87.5°	2.2
90°	0.0

(END OF REPORT)