

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: P188910

Luminaire Tested: **L80825SP9035P**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P188910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26995)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L80825SP9035P
Description: HALO TRACK L LED 08, 2500 LM, SPOT, WHITE

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

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2565.2 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.21
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

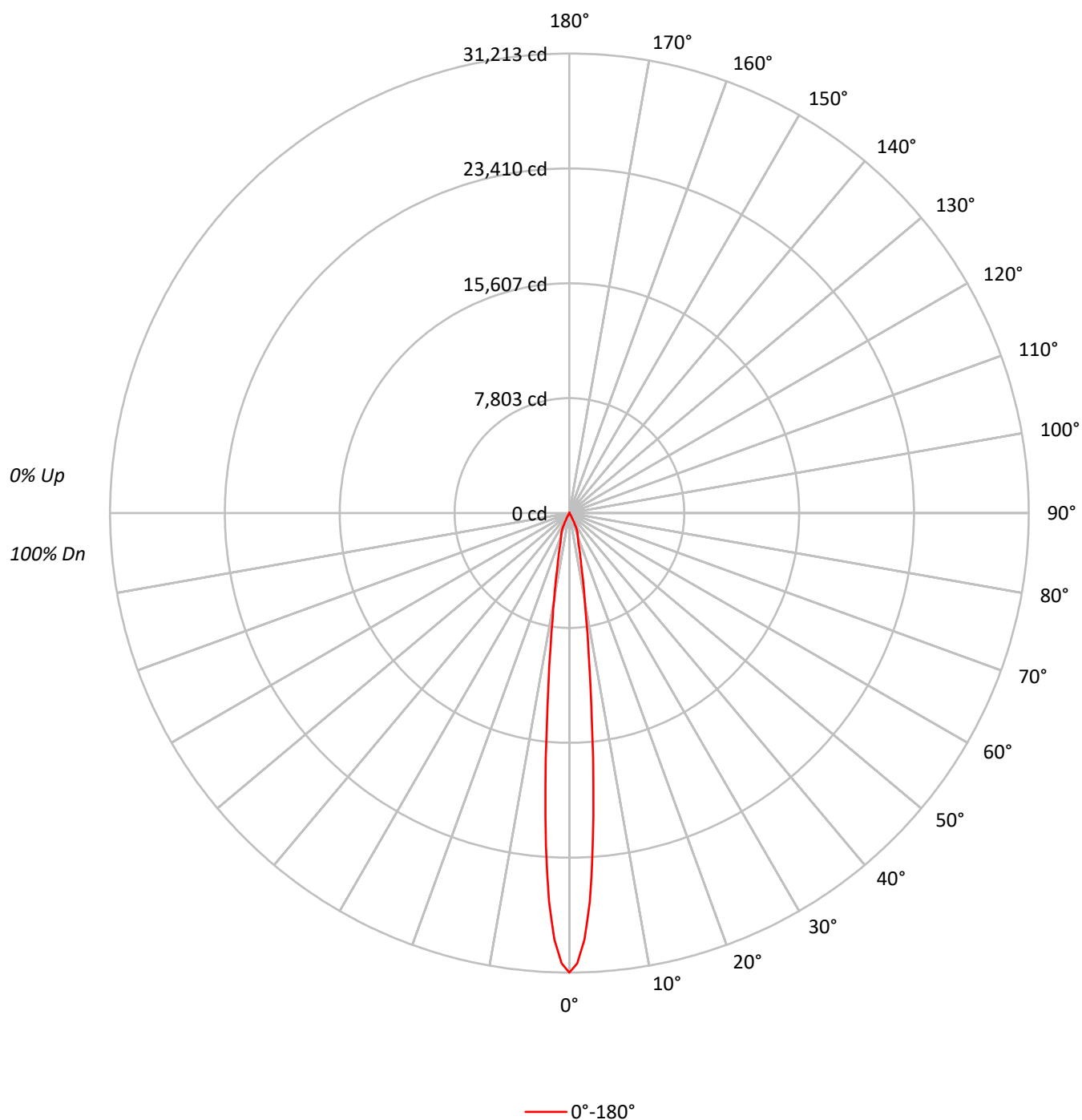
Input Watts (W): 34.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P188910

CATALOG NUMBER: L80825SP9035P

Luminous Intensity Polar Plot



TEST NUMBER: P188910

CATALOG NUMBER: L80825SP9035P

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20				
RC	80					70					50					30					10				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	115	114	112	110	113	111	110	109	107	106	105	104	103	102	100	100	99	98							
2	112	109	106	104	110	107	105	103	104	102	101	101	100	99	99	98	97	95							
3	109	105	102	99	108	104	101	99	101	99	97	99	97	96	97	96	94	93							
4	106	102	98	96	105	101	98	95	99	96	94	97	95	93	95	93	92	91							
5	104	99	95	92	103	98	95	92	96	94	91	95	93	91	94	92	90	89							
6	101	96	92	90	100	95	92	90	94	91	89	93	90	88	92	90	88	87							
7	99	94	90	88	98	93	90	87	92	89	87	91	88	87	90	88	86	85							
8	97	91	88	85	96	91	88	85	90	87	85	89	87	85	89	86	84	84							
9	95	89	86	84	94	89	86	83	88	85	83	88	85	83	87	85	83	82							
10	93	88	84	82	93	87	84	82	87	84	82	86	83	81	85	83	81	81							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3850024
5°	2313591
10°	748597
15°	339316
20°	217199
25°	136274
30°	23629
35°	1039
40°	193
45°	802
50°	1324
55°	0
60°	0
65°	671
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P188910

CATALOG NUMBER: L80825SP9035P

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1333.6	52.0
10°-20°	795.8	31.0
20°-30°	413.0	16.1
30°-40°	18.1	0.7
40°-50°	1.9	0.1
50°-60°	1.0	0.0
60°-70°	0.6	0.0
70°-80°	0.6	0.0
80°-90°	1.3	0.0
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°	2542.4	99.1
0°-40°	2560.5	99.8
0°-60°	2563.4	99.9
0°-90°	2565.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2565.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	31213	
5°	18686	###
15°	2657	796
25°	1001	413
35°	7	18
45°	5	2
55°	0	1
65°	2	1
75°	0	1
85°	0	1
90°	0	



TEST NUMBER: P188910

CATALOG NUMBER: L80825SP9035P

CANDELA DISTRIBUTION (FULL):

0°	
0°	31213.3
1°	30598.0
2°	29006.7
3°	26426.7
4°	22725.5
5°	18685.6
6°	14807.0
7°	11622.0
8°	9196.4
9°	7320.5
10°	5976.9
11°	4938.7
12°	4159.8
13°	3544.5
14°	3083.5
15°	2657.2
16°	2315.0
17°	2077.6
18°	1890.9
19°	1744.6
20°	1654.7
21°	1547.5
22°	1463.4
23°	1374.7
24°	1213.4
25°	1001.3
26°	773.2
27°	563.5
28°	372.2
29°	225.8
30°	165.9
32.5°	33.4
35°	6.9
37.5°	1.2
40°	1.2
42.5°	1.2
45°	4.6
47.5°	0.0
50°	6.9
52.5°	1.2
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	2.3



TEST NUMBER: P188910

CATALOG NUMBER: L80825SP9035P

CANDELA DISTRIBUTION (continued):

	0°
67.5°	0.0
70°	0.0
72.5°	2.3
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	2.3
90°	0.0

(END OF REPORT)