

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: P837154

Luminaire Tested: **L830S10SP930**

Issue Date: 5/17/2024



Test Information

Test Method: LM-79-08
Report Number: P837154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (1529)
Test Lab: INNOVATION CENTER
Issue Date: 5/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L830S10SP930
Description: Sustainable LED Track Luminaire with Spot Optic and, 3000K, 90CRI LEDs
Light Source: -
Ballast/Driver: -

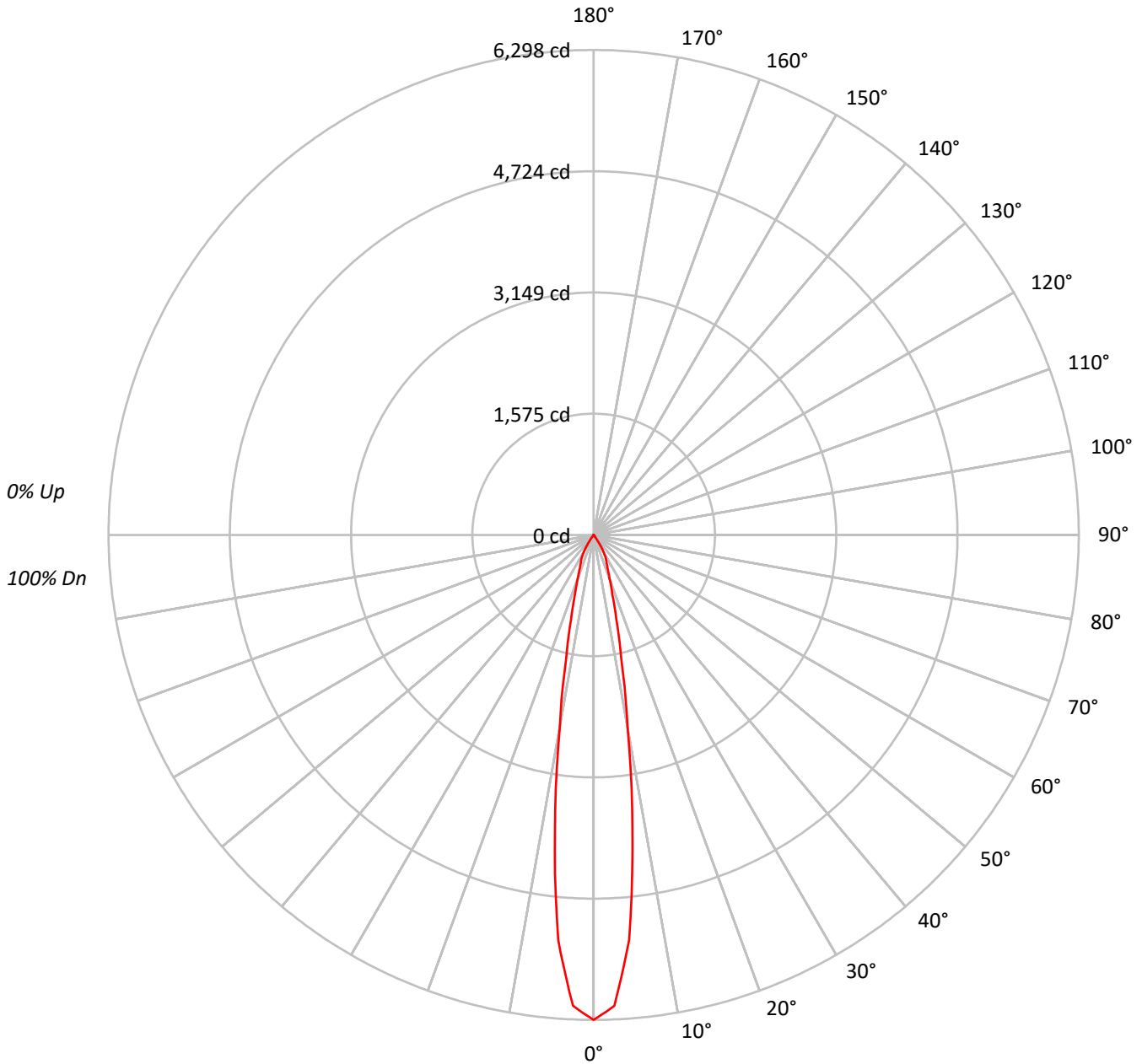
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 998.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.31
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 9
Input Voltage (V): NR
Input Current (A_{in}): 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: P837154
CATALOG NUMBER: L830S10SP930

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	97																
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	97	96	95																
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	95	93	92																
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	93	91	89																
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	90	88	86																
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	86	84	82	88	86	84																
7	96	90	85	83	95	89	85	82	88	84	82	87	84	82	86	83	81	80	86	83	81																
8	93	87	83	80	92	86	82	80	85	82	80	85	81	79	84	81	79	78	84	81	79																
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	82	79	77																
10	89	82	78	76	88	82	78	75	81	78	75	80	77	75	80	77	75	74	80	77	75																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1014699
5°	853459
10°	414339
15°	188486
20°	103586
25°	70428
30°	47902
35°	15006
40°	3134
45°	706
50°	276
55°	169
60°	161
65°	191
70°	141
75°	124
80°	93
85°	185



TEST NUMBER: P837154
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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.8	41.0
10°-20°	339.2	34.0
20°-30°	185.1	18.5
30°-40°	59.9	6.0
40°-50°	3.8	0.4
50°-60°	0.6	0.1
60°-70°	0.4	0.0
70°-80°	0.2	0.0
80°-90°	0.1	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°	933.0	93.5
0°-40°	992.9	99.5
0°-60°	997.3	99.9
0°-90°	998.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	998.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6298	
5°	5277	409
15°	1130	339
25°	396	185
35°	76	60
45°	3	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	0
95°	0	0
105°	0	0
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6298.4
2.5°	6122.5
5°	5277.4
7.5°	3854.7
10°	2532.8
12.5°	1659.1
15°	1130.1
17.5°	803.7
20°	604.2
22.5°	471.0
25°	396.2
27.5°	338.1
30°	257.5
32.5°	161.1
35°	76.3
37.5°	27.5
40°	14.9
42.5°	7.3
45°	3.1
47.5°	1.7
50°	1.1
52.5°	0.8
55°	0.6
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.4
70°	0.3
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.1
82.5°	0.1
85°	0.1
87.5°	0.0
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0



TEST NUMBER: P837154
CATALOG NUMBER: L830S10SP930

CANDELA DISTRIBUTION (continued):

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







107.5°		0.0
110°		0.0



(END OF REPORT)