

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: P837155

Luminaire Tested: **L830S10SP935**

Issue Date: 5/17/2024



Test Information

Test Method: LM-79-08
Report Number: P837155
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: L830S10SP935
Description: Sustainable LED Track Luminaire with Spot Optic and, 3500K, 90CRI LEDs
Light Source: -
Ballast/Driver: -

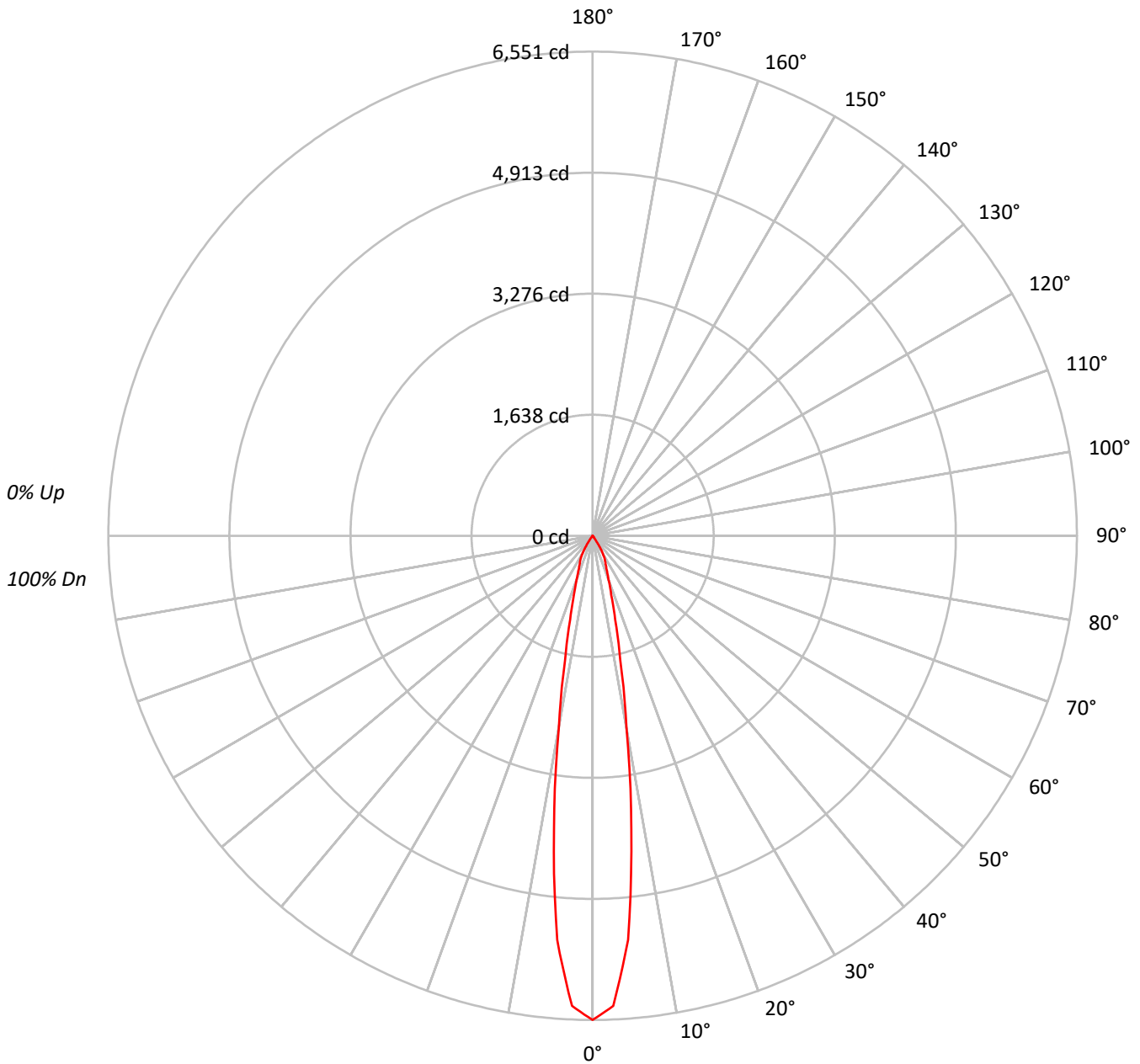
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1038.0 lumens
Efficiency: N/A
Efficacy: 115.3 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: P837155
CATALOG NUMBER: L830S10SP935

Luminous Intensity Polar Plot





TEST NUMBER: P837155
 CATALOG NUMBER: L830S10SP935

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	94	94	94
3	108	103	100	97	106	102	99	96	99	97	95	97	95	93	95	93	92	90	90	90	90
4	105	99	95	92	103	98	95	92	96	93	91	94	92	90	93	91	89	88	88	88	88
5	101	96	92	89	100	95	91	88	93	90	87	92	89	87	90	88	86	85	85	85	85
6	99	92	88	85	97	92	88	85	90	87	85	89	86	84	88	86	84	82	82	82	82
7	96	90	85	83	95	89	85	82	88	84	82	87	84	82	86	83	81	80	80	80	80
8	93	87	83	80	92	86	82	80	85	82	80	85	81	79	84	81	79	78	78	78	78
9	91	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76	76
10	89	82	78	76	88	82	78	75	81	78	75	80	77	75	80	77	75	74	74	74	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1055361
5°	887663
10°	430944
15°	196025
20°	107752
25°	73237
30°	49818
35°	15616
40°	3260
45°	729
50°	301
55°	169
60°	161
65°	191
70°	141
75°	124
80°	93
85°	185



TEST NUMBER: P837155
 CATALOG NUMBER: L830S10SP935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.2	41.0
10°-20°	352.7	34.0
20°-30°	192.5	18.5
30°-40°	62.3	6.0
40°-50°	3.9	0.4
50°-60°	0.7	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°	970.4	93.5
0°-40°	1032.7	99.5
0°-60°	1037.3	99.9
0°-90°	1038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1038.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6551	
5°	5489	425
15°	1175	353
25°	412	192
35°	79	62
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	



TEST NUMBER: P837155
CATALOG NUMBER: L830S10SP935

CANDELA DISTRIBUTION (FULL):

	0°
0°	6550.8
2.5°	6367.9
5°	5488.9
7.5°	4009.2
10°	2634.3
12.5°	1725.5
15°	1175.3
17.5°	835.9
20°	628.5
22.5°	489.9
25°	412.0
27.5°	351.6
30°	267.8
32.5°	167.6
35°	79.4
37.5°	28.6
40°	15.5
42.5°	7.6
45°	3.2
47.5°	1.7
50°	1.2
52.5°	0.9
55°	0.6
57.5°	0.6
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.4
70°	0.3
72.5°	0.3
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: P837155
CATALOG NUMBER: L830S10SP935

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)