

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: P837186

Luminaire Tested: **L830S23SP930**

Issue Date: 5/17/2024



Test Information

Test Method: LM-79-08
Report Number: P837186
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: L830S23SP930
Description: Sustainable LED Track Luminaire with Spot Optic and, 3000K, 90CRI LEDs
Light Source: -
Ballast/Driver: -

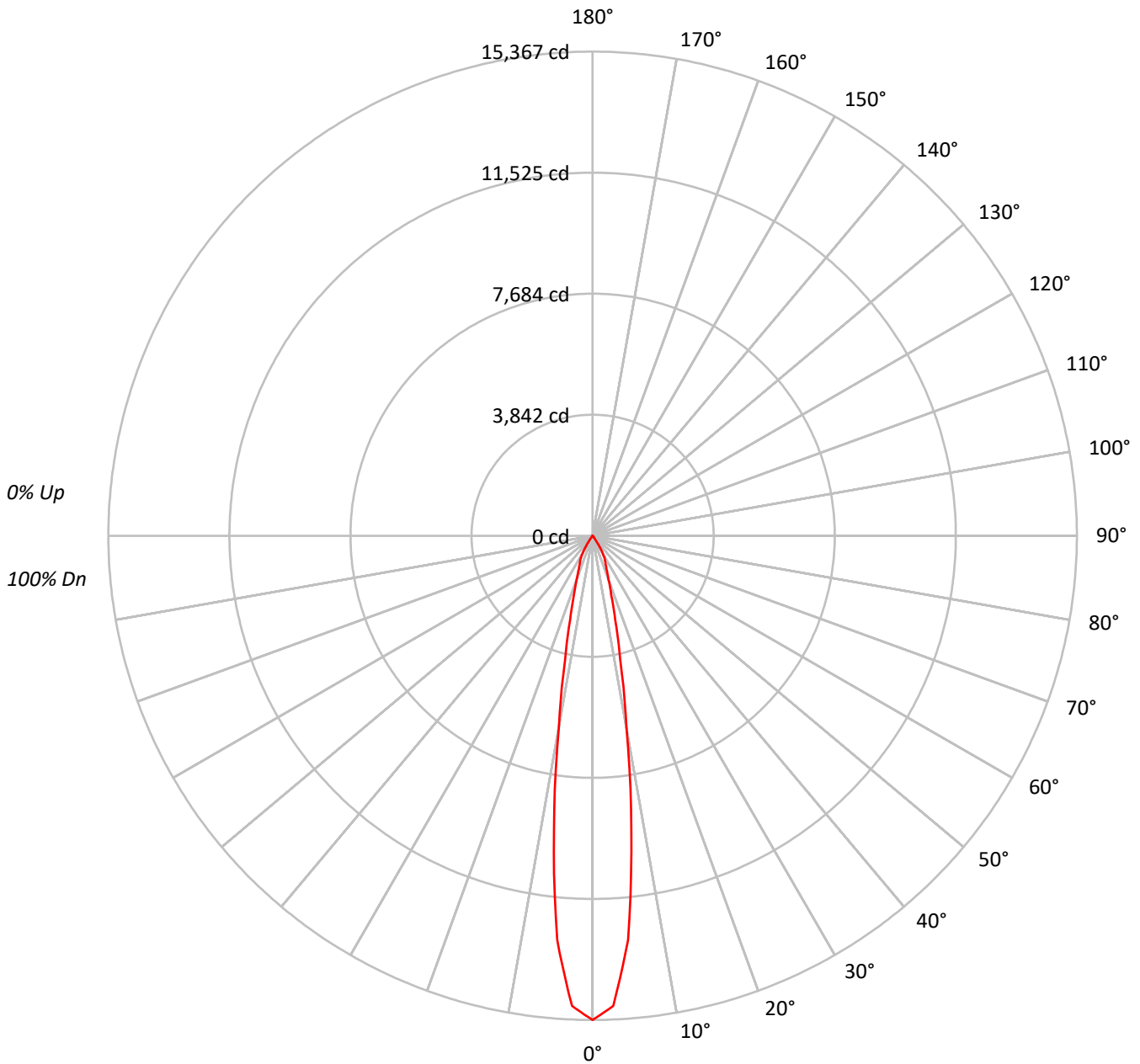
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2435.0 lumens
Efficiency: N/A
Efficacy: 106.8 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): 22.8
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2475736
5°	2082333
10°	1010934
15°	459866
20°	252759
25°	171822
30°	116862
35°	36620
40°	7655
45°	1709
50°	702
55°	421
60°	387
65°	419
70°	377
75°	311
80°	278
85°	370



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.4	41.0
10°-20°	827.5	34.0
20°-30°	451.5	18.5
30°-40°	146.1	6.0
40°-50°	9.2	0.4
50°-60°	1.5	0.1
60°-70°	1.0	0.0
70°-80°	0.5	0.0
80°-90°	0.2	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°	2276.4	93.5
0°-40°	2422.6	99.5
0°-60°	2433.3	99.9
0°-90°	2435.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2435.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15367	
5°	12876	997
15°	2757	828
25°	967	452
35°	186	146
45°	8	9
55°	2	2
65°	1	1
75°	0	1
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°	15367.3
2.5°	14938.2
5°	12876.2
7.5°	9405.0
10°	6179.7
12.5°	4047.9
15°	2757.2
17.5°	1960.9
20°	1474.3
22.5°	1149.2
25°	966.6
27.5°	824.9
30°	628.2
32.5°	393.1
35°	186.2
37.5°	67.1
40°	36.4
42.5°	17.9
45°	7.5
47.5°	4.1
50°	2.8
52.5°	2.0
55°	1.5
57.5°	1.3
60°	1.2
62.5°	1.1
65°	1.1
67.5°	0.9
70°	0.8
72.5°	0.6
75°	0.5
77.5°	0.4
80°	0.3
82.5°	0.2
85°	0.2
87.5°	0.1
90°	0.0
92.5°	0.0
95°	0.0
97.5°	0.0
100°	0.0
102.5°	0.0
105°	0.0



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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)