

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: P837178

Luminaire Tested: **L830S23FL930**

Issue Date: 5/17/2024



Test Information

Test Method: LM-79-08
Report Number: P837178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (1529-C)
Test Lab: INNOVATION CENTER
Issue Date: 5/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L830S23FL930
Description: Sustainable LED Track Luminaire with Flood Optic and, 3000K, 90CRI LEDs
Light Source: -
Ballast/Driver: -

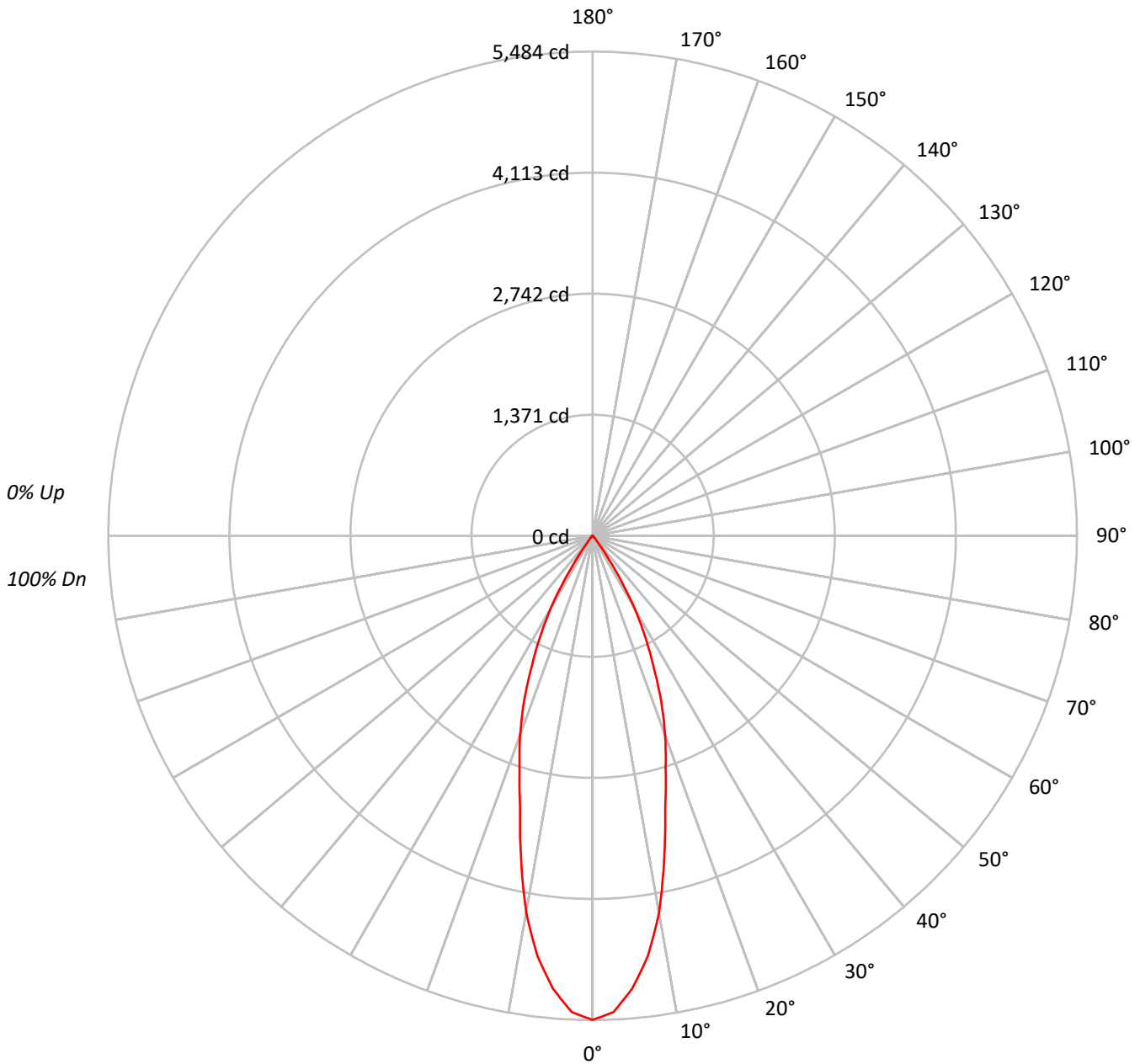
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2357.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.63
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	91	91	91
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	86	86	86	86
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74	74	74	74
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71	71	71	71
8	87	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	883447
5°	832565
10°	708768
15°	529350
20°	411379
25°	289320
30°	177749
35°	53475
40°	11819
45°	4716
50°	3083
55°	2331
60°	1708
65°	1144
70°	848
75°	685
80°	464
85°	185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.8	19.8
10°-20°	895.4	38.0
20°-30°	746.0	31.7
30°-40°	217.9	9.2
40°-50°	19.8	0.8
50°-60°	7.5	0.3
60°-70°	3.1	0.1
70°-80°	1.2	0.1
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°	2107.2	89.4
0°-40°	2325.1	98.6
0°-60°	2352.5	99.8
0°-90°	2357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2357.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5484	
5°	5148	466
15°	3174	895
25°	1628	746
35°	272	218
45°	21	20
55°	8	8
65°	3	3
75°	1	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°	5483.7
2.5°	5399.4
5°	5148.2
7.5°	4795.0
10°	4332.6
12.5°	3743.9
15°	3173.8
17.5°	2749.2
20°	2399.5
22.5°	2027.3
25°	1627.6
27.5°	1285.5
30°	955.5
32.5°	580.1
35°	271.9
37.5°	102.0
40°	56.2
42.5°	34.2
45°	20.7
47.5°	15.4
50°	12.3
52.5°	10.0
55°	8.3
57.5°	6.8
60°	5.3
62.5°	3.9
65°	3.0
67.5°	2.3
70°	1.8
72.5°	1.5
75°	1.1
77.5°	0.8
80°	0.5
82.5°	0.3
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



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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)