

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: P837145

Luminaire Tested: **L830S10FL927**

Issue Date: 5/17/2024



**Test Information**

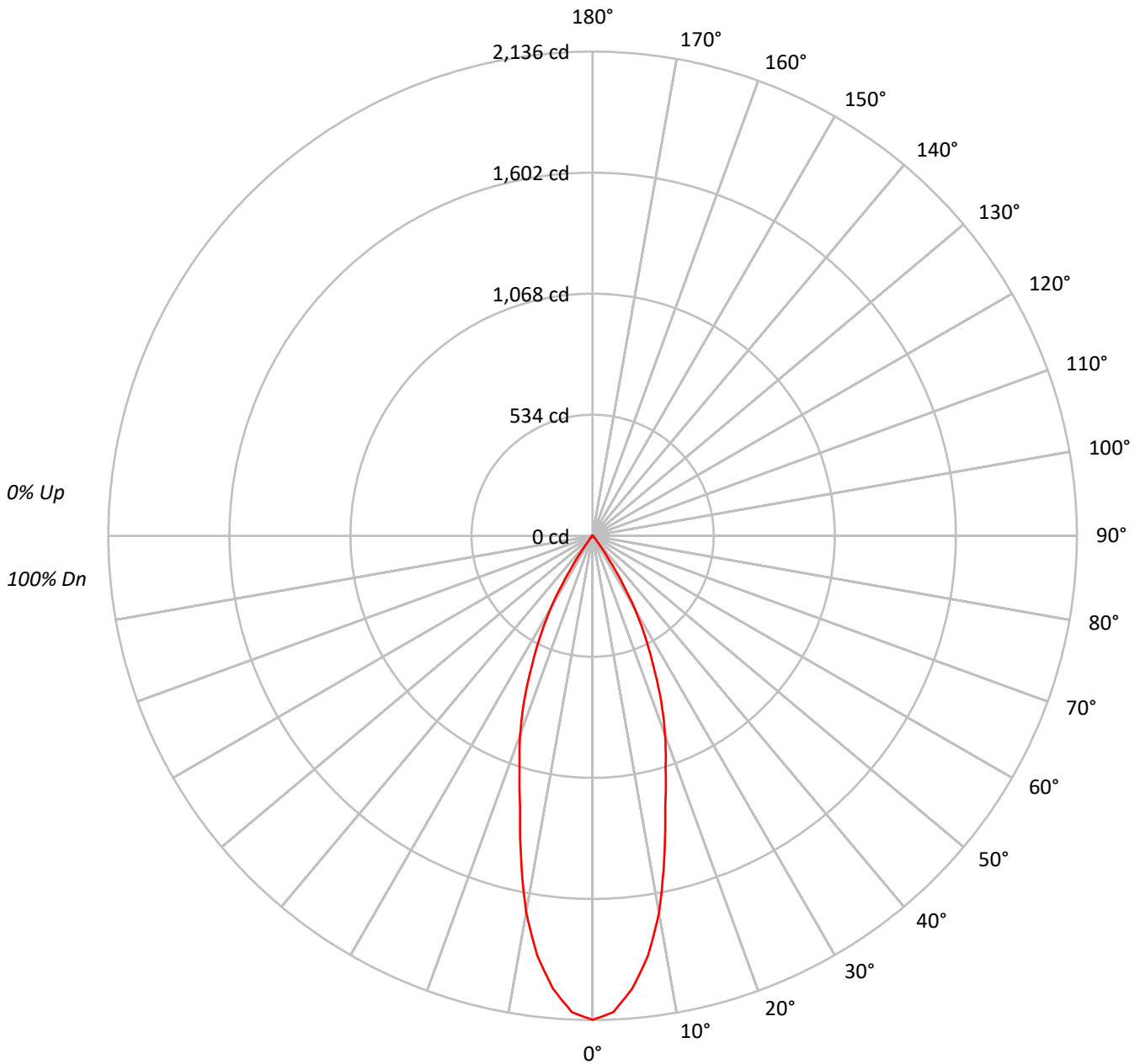
Test Method: LM-79-08  
Report Number: P837145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (1529-C )  
Test Lab: INNOVATION CENTER  
Issue Date: 5/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L830S10FL927  
Description: Sustainable LED Track Luminaire with Flood Optic and, 2700K, 90CRI LEDs  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 918.0 lumens  
Efficiency: N/A  
Efficacy: 102.0 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): 9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P837145  
CATALOG NUMBER: L830S10FL927

### 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
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91			91
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	92	89	87	86			86
4	101	95	90	87	100	94	89	86	92	88	85	90	87	84	88	85	83	82			82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78			78
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74			74
7	90	82	77	74	89	82	77	73	80	76	73	79	75	73	78	75	72	71			71
8	87	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68			68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65			65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62			62

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	344086
5°	324264
10°	276041
15°	206166
20°	160231
25°	112681
30°	69239
35°	20828
40°	4606
45°	1845
50°	1203
55°	899
60°	677
65°	457
70°	330
75°	249
80°	186
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	181.4	19.8
10°-20°	348.7	38.0
20°-30°	290.6	31.7
30°-40°	84.9	9.2
40°-50°	7.7	0.8
50°-60°	2.9	0.3
60°-70°	1.2	0.1
70°-80°	0.5	0.1
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°	820.7	89.4
0°-40°	905.6	98.7
0°-60°	916.2	99.8
0°-90°	918.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	918.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2136	
5°	2005	181
15°	1236	349
25°	634	291
35°	106	85
45°	8	8
55°	3	3
65°	1	1
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°	2135.8
2.5°	2103.0
5°	2005.1
7.5°	1867.6
10°	1687.4
12.5°	1458.2
15°	1236.1
17.5°	1070.7
20°	934.6
22.5°	789.6
25°	633.9
27.5°	500.7
30°	372.2
32.5°	225.9
35°	105.9
37.5°	39.7
40°	21.9
42.5°	13.3
45°	8.1
47.5°	6.0
50°	4.8
52.5°	3.9
55°	3.2
57.5°	2.6
60°	2.1
62.5°	1.5
65°	1.2
67.5°	0.9
70°	0.7
72.5°	0.6
75°	0.4
77.5°	0.3
80°	0.2
82.5°	0.1
85°	0.0
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)