

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: P837161

Luminaire Tested: **L830S15FL927**

Issue Date: 5/17/2024

Test Information

Test Method: LM-79-08
Report Number: P837161
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: L830S15FL927
Description: Sustainable LED Track Luminaire with Flood Optic and, 2700K, 90CRI LEDs
Light Source: -
Ballast/Driver: -

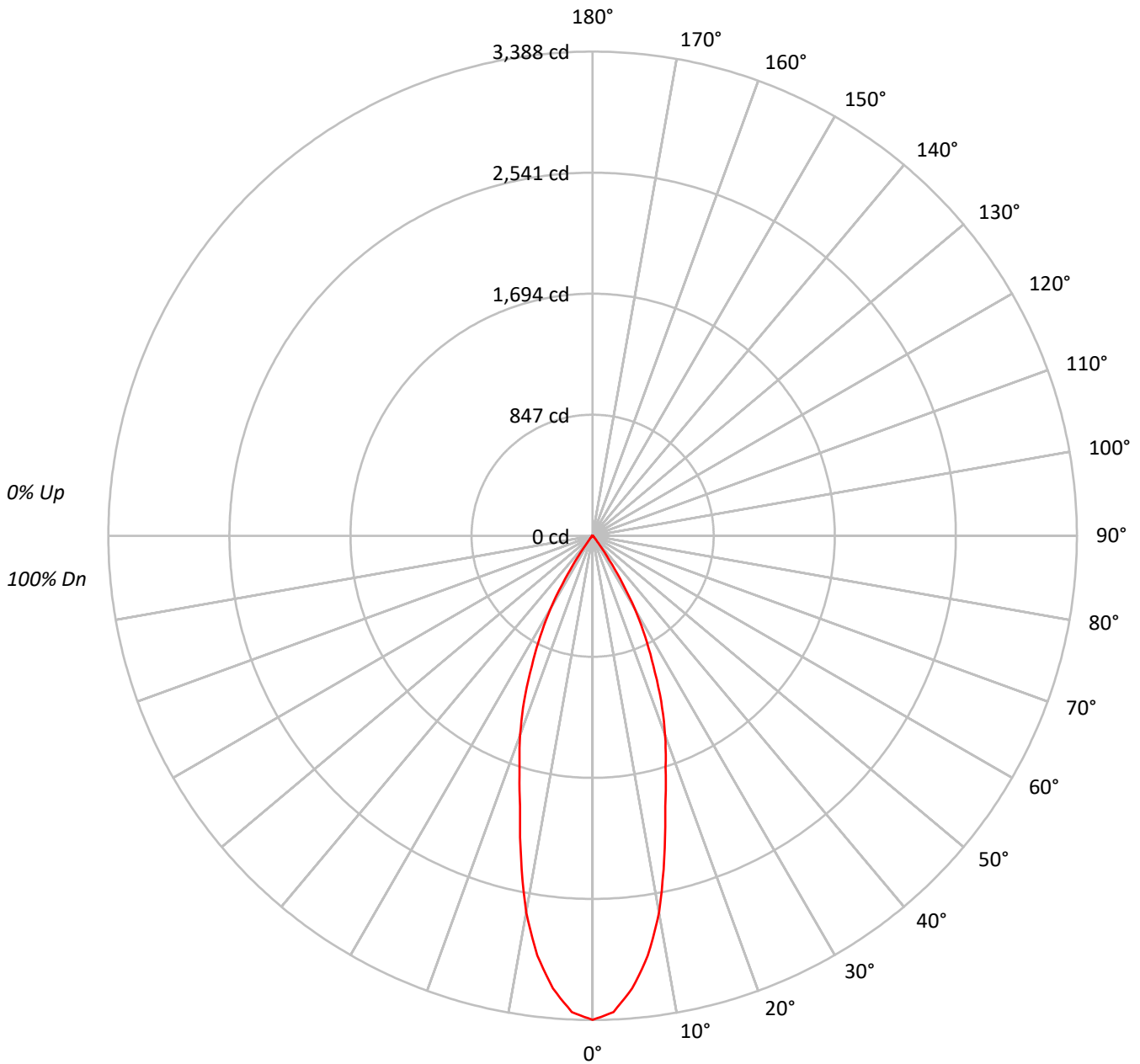
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1456.0 lumens
Efficiency: N/A
Efficacy: 97.1 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): 15
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
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°	545740
5°	514301
10°	437831
15°	327003
20°	254131
25°	178719
30°	109812
35°	33041
40°	7298
45°	2916
50°	1905
55°	1432
60°	1063
65°	724
70°	518
75°	436
80°	278
85°	185



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.7	19.8
10°-20°	553.1	38.0
20°-30°	460.8	31.7
30°-40°	134.6	9.2
40°-50°	12.2	0.8
50°-60°	4.7	0.3
60°-70°	1.9	0.1
70°-80°	0.7	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°	1301.7	89.4
0°-40°	1436.3	98.6
0°-60°	1453.2	99.8
0°-90°	1456.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1456.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3388	
5°	3180	288
15°	1961	553
25°	1005	461
35°	168	135
45°	13	12
55°	5	5
65°	2	2
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°	3387.5
2.5°	3335.4
5°	3180.2
7.5°	2962.1
10°	2676.4
12.5°	2312.7
15°	1960.6
17.5°	1698.3
20°	1482.3
22.5°	1252.3
25°	1005.4
27.5°	794.1
30°	590.3
32.5°	358.3
35°	168.0
37.5°	63.0
40°	34.7
42.5°	21.1
45°	12.8
47.5°	9.5
50°	7.6
52.5°	6.2
55°	5.1
57.5°	4.2
60°	3.3
62.5°	2.4
65°	1.9
67.5°	1.4
70°	1.1
72.5°	0.9
75°	0.7
77.5°	0.5
80°	0.3
82.5°	0.2
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)