

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: P22181-R2

Luminaire Tested: **L805MEDWS830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P22181-R2
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L805MEDWS830
Description: ***THIS IS A REVISION OF P22181 TO UPDATE CATALOG
NUMBER***STASIS LED WITH (7) LEDS AND WIDE SPOT OPTICS.
Light Source: (7) 4000K SMT LEDS
Ballast/Driver: -
ELECTRONIC DRIVER

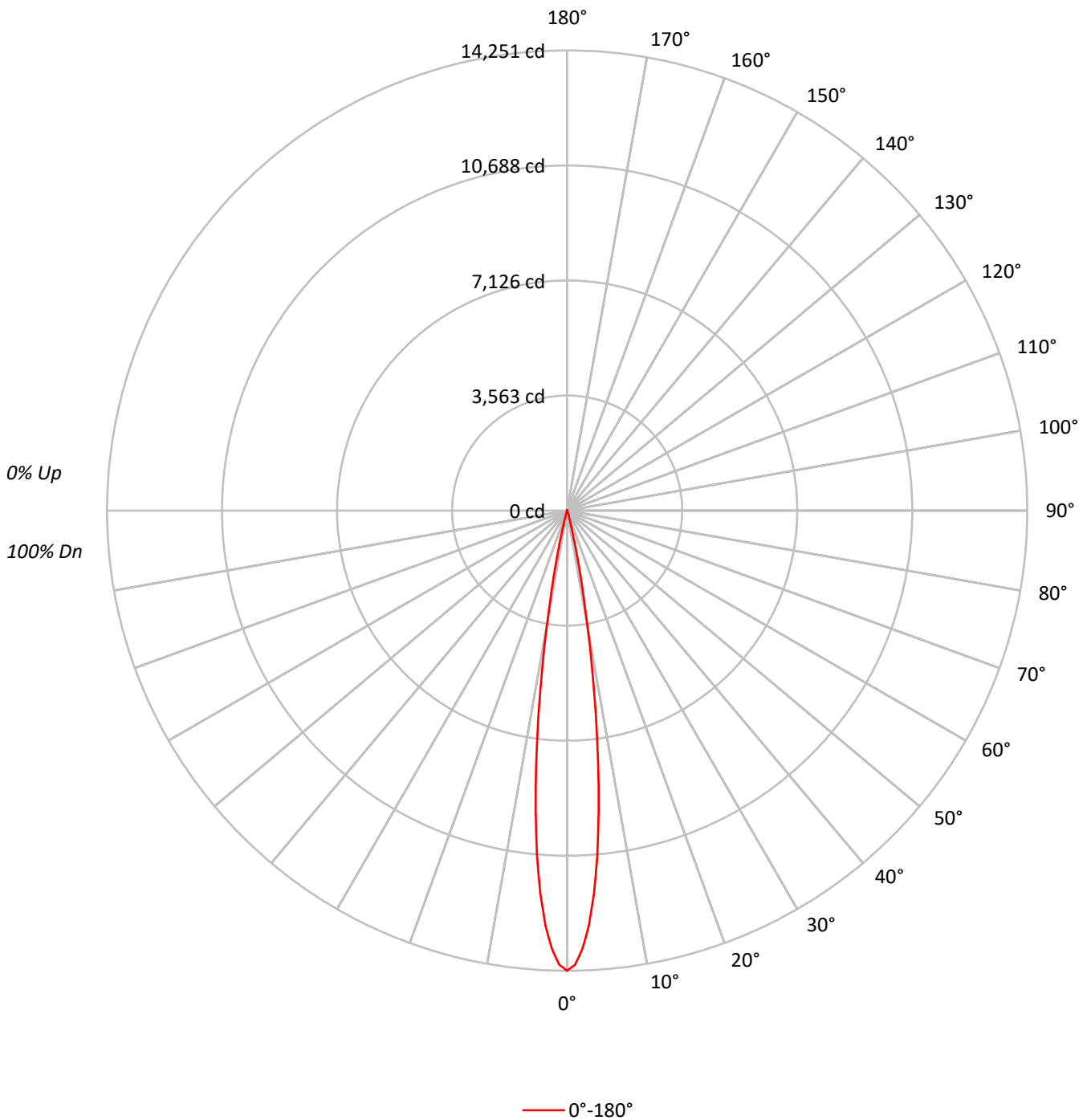
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 994.4 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.25
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (Ain): 0.14380
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: 3 HR
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				
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	100	100	100
1	116	114	113	112	114	112	111	110	108	107	107	105	104	103	102	101	100	100	100	100	99
2	114	111	109	107	112	109	107	106	106	105	103	103	102	101	101	100	99	99	99	99	98
3	111	108	105	103	110	107	104	103	104	103	101	102	101	100	100	99	98	98	98	98	97
4	110	106	103	101	108	105	102	100	103	101	99	101	100	98	100	98	97	97	97	97	96
5	108	104	101	99	107	103	100	99	102	99	98	100	98	97	99	97	96	96	96	96	95
6	106	102	99	97	105	102	99	97	100	98	97	99	97	96	98	97	95	95	95	95	95
7	105	101	98	96	104	100	98	96	99	97	95	98	97	95	98	96	95	94	94	94	94
8	104	100	97	95	103	99	97	95	98	96	95	98	96	94	97	95	94	93	93	93	93
9	103	98	96	94	102	98	96	94	97	95	94	97	95	94	96	95	93	92	92	92	92
10	102	97	95	93	101	97	95	93	97	95	93	96	94	93	96	94	93	92	92	92	92

AVERAGE LUMINANCE (cd/sqm):

0°	
0°	1757799
5°	1326202
10°	450143
15°	43417
20°	4594
25°	3539
30°	1994
35°	753
40°	483
45°	523
50°	0
55°	215
60°	493
65°	292
70°	361
75°	1430
80°	1421
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	779.0	78.3
10°-20°	191.8	19.3
20°-30°	11.9	1.2
30°-40°	5.7	0.6
40°-50°	1.1	0.1
50°-60°	1.1	0.1
60°-70°	1.6	0.2
70°-80°	1.5	0.1
80°-90°	0.8	0.1
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°	982.6	98.8
0°-40°	988.4	99.4
0°-60°	990.5	99.6
0°-90°	994.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	994.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14251	
5°	10711	779
15°	340	192
25°	26	12
35°	5	6
45°	3	1
55°	1	1
65°	1	2
75°	3	1
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14251
1°	14068
2°	13578
3°	12869
4°	11885
5°	10711
6°	9337
7°	7886
8°	6359
9°	4905
10°	3594
11°	2509
12°	1650
13°	1029
14°	600
15°	340
17.5°	63
20°	35
22.5°	28
25°	26
27.5°	26
30°	14
32.5°	16
35°	5
37.5°	8
40°	3
42.5°	0
45°	3
47.5°	1
50°	0
52.5°	3
55°	1
57.5°	0
60°	2
62.5°	4
65°	1
67.5°	0
70°	1
72.5°	0
75°	3
77.5°	1
80°	2
82.5°	0
85°	0
87.5°	2



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)