

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: P22188-R2

Luminaire Tested: **L805SMLWS830**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P22188-R2  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L805SMLWS830  
Description: \*\*\*THIS IS A REVISION OF P22188 TO UPDATE CATALOG  
NUMBER\*\*\*STASIS LED WITH (3) LEDS AND WIDE SPOT OPTICS.  
Light Source: (3) 3000K SMT LEDS  
Ballast/Driver: -  
ELECTRONIC DRIVER

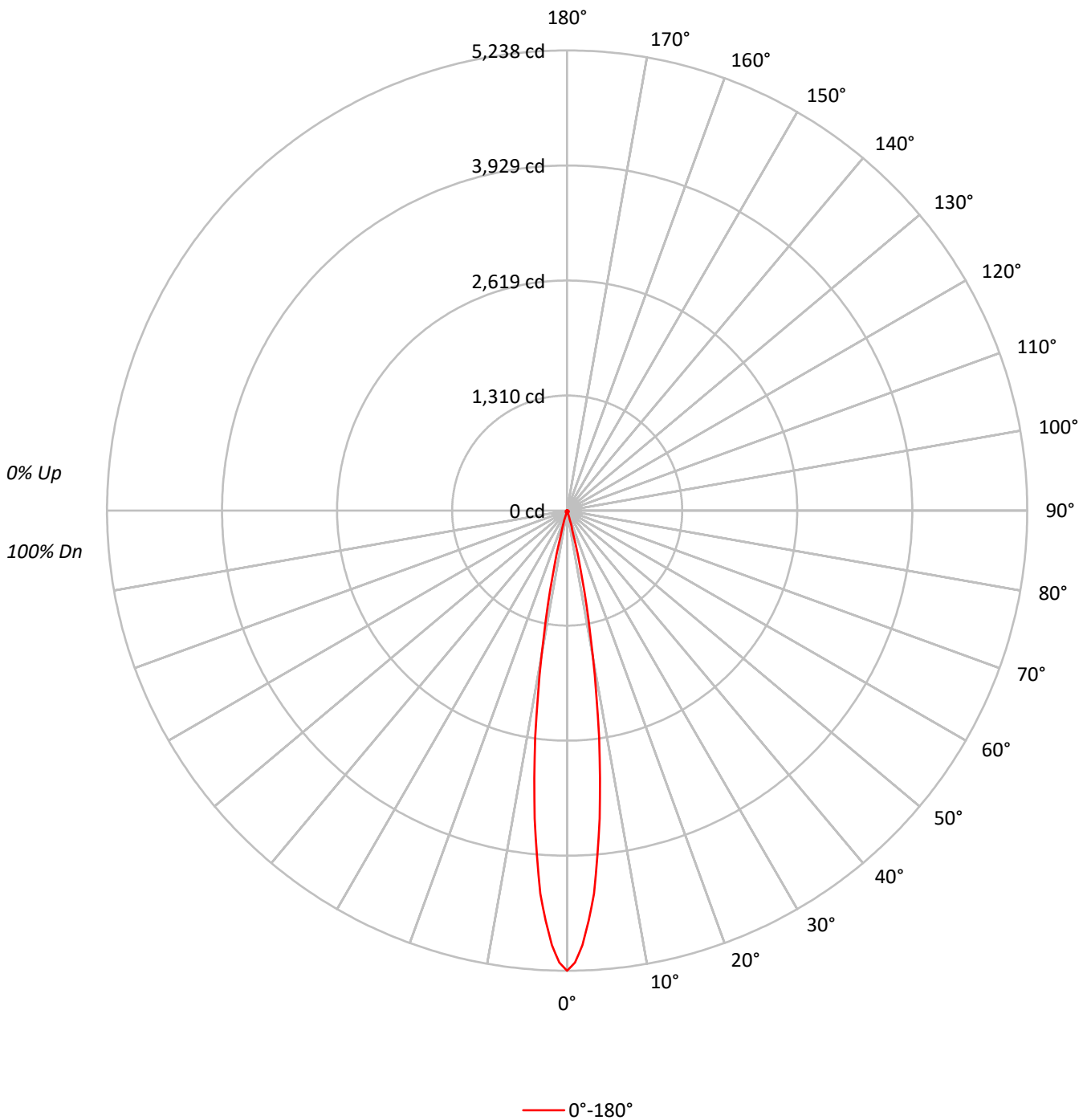
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 449.3 lumens  
Efficiency: N/A  
Efficacy: 56.9 lumens/watt  
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.9  
Input Voltage (V): NR  
Input Current (Ain): 0.06837  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: 13 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	0
RW	70	50	30	10	70	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
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	104	100	98	107	103	100	97	100	98	95	98	96	94	96	94	93	91
4	106	101	97	95	104	100	97	94	98	95	93	96	94	92	95	93	91	90
5	104	99	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89
6	102	97	93	90	101	96	93	90	95	92	90	93	91	89	92	90	88	88
7	100	95	91	89	99	94	91	89	93	90	88	92	90	88	91	89	87	87
8	99	93	90	88	98	93	90	87	92	89	87	91	89	87	90	88	86	86
9	97	92	89	86	96	91	88	86	91	88	86	90	88	86	89	87	86	85
10	96	91	88	85	95	90	87	85	90	87	85	89	87	85	89	86	85	84

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

	0°
0°	1148592
5°	868367
10°	371625
15°	51306
20°	1867
25°	2419
30°	1772
35°	1071
40°	286
45°	620
50°	682
55°	3823
60°	439
65°	2594
70°	6411
75°	15250
80°	6314
85°	17612



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.1	67.2
10°-20°	106.0	23.6
20°-30°	4.2	0.9
30°-40°	5.7	1.3
40°-50°	3.7	0.8
50°-60°	4.1	0.9
60°-70°	8.3	1.9
70°-80°	8.0	1.8
80°-90°	7.2	1.6
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°	412.2	91.7
0°-40°	417.9	93.0
0°-60°	425.7	94.7
0°-90°	449.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5238	
5°	3945	302
15°	226	106
25°	10	4
35°	4	6
45°	2	4
55°	10	4
65°	5	8
75°	18	8
85°	7	7
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5238
1°	5145
2°	4950
3°	4678
4°	4372
5°	3945
6°	3527
7°	3069
8°	2607
9°	2125
10°	1669
11°	1276
12°	931
13°	626
14°	403
15°	226
17.5°	38
20°	8
22.5°	11
25°	10
27.5°	8
30°	7
32.5°	2
35°	4
37.5°	25
40°	1
42.5°	14
45°	2
47.5°	2
50°	2
52.5°	4
55°	10
57.5°	3
60°	1
62.5°	13
65°	5
67.5°	10
70°	10
72.5°	4
75°	18
77.5°	1
80°	5
82.5°	8
85°	7
87.5°	9



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)