

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: P22183-R2

Luminaire Tested: **L805SMLWS840**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P22183-R2
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L805SMLWS840
Description: ***THIS IS A REVISION OF P22183 TO UPDATE CATALOG
NUMBER***STASIS LED WITH (3) LEDS AND WIDE SPOT OPTICS.
Light Source: (3) 4000K SMT LEDS
Ballast/Driver: -
ELECTRONIC DRIVER

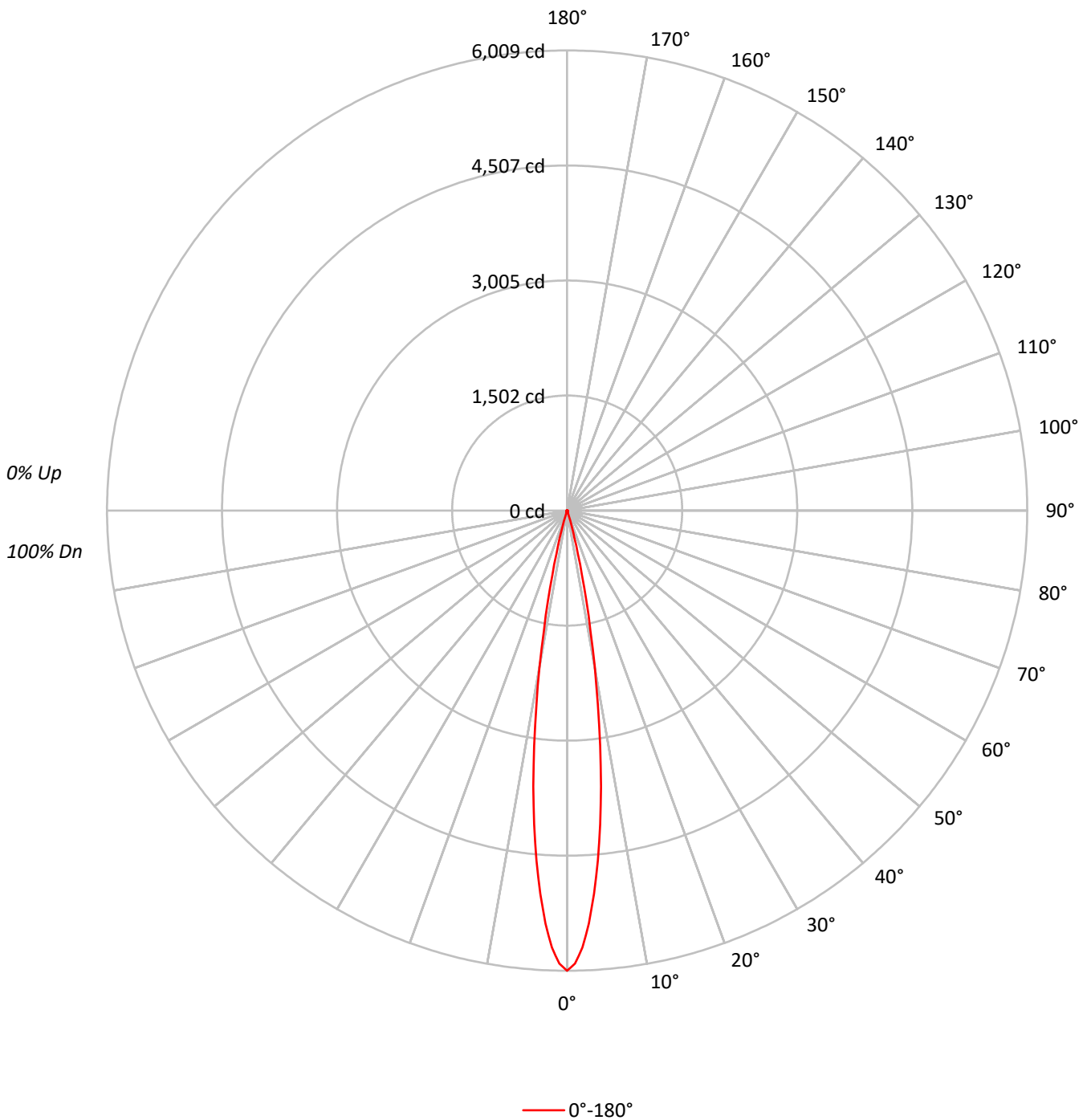
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 525.6 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.28 / 0.28
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (Ain): 0.06792
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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	99	98	96
3	110	106	103	101	108	105	102	100	103	101	99	100	99	97	98	97	96	95
4	108	104	100	98	106	103	100	97	101	98	96	99	97	95	97	96	94	93
5	106	101	98	96	105	100	97	95	99	96	95	98	95	94	96	94	93	92
6	104	99	96	94	103	99	96	93	97	95	93	96	94	92	95	93	92	91
7	102	98	94	92	101	97	94	92	96	93	92	95	93	91	94	92	91	90
8	101	96	93	91	100	96	93	91	95	92	90	94	92	90	93	91	90	89
9	99	95	92	90	99	94	91	89	93	91	89	93	91	89	92	90	89	88
10	98	93	90	88	97	93	90	88	92	90	88	92	90	88	91	89	88	87

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1317658
5°	1009903
10°	460691
15°	82407
20°	5600
25°	4839
30°	5570
35°	268
40°	0
45°	3411
50°	1023
55°	0
60°	1316
65°	1557
70°	1282
75°	0
80°	0
85°	2516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.0	67.6
10°-20°	145.1	27.6
20°-30°	7.2	1.4
30°-40°	3.1	0.6
40°-50°	6.3	1.2
50°-60°	1.4	0.3
60°-70°	4.6	0.9
70°-80°	1.6	0.3
80°-90°	1.4	0.3
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°	507.4	96.5
0°-40°	510.4	97.1
0°-60°	518.1	98.6
0°-90°	525.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	525.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6009	
5°	4588	355
15°	363	145
25°	20	7
35°	1	3
45°	11	6
55°	0	1
65°	3	5
75°	0	2
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6009
1°	5917
2°	5708
3°	5400
4°	5017
5°	4588
6°	4120
7°	3630
8°	3099
9°	2565
10°	2069
11°	1599
12°	1198
13°	864
14°	580
15°	363
17.5°	85
20°	24
22.5°	6
25°	20
27.5°	13
30°	22
32.5°	7
35°	1
37.5°	2
40°	0
42.5°	1
45°	11
47.5°	18
50°	3
52.5°	1
55°	0
57.5°	2
60°	3
62.5°	10
65°	3
67.5°	3
70°	2
72.5°	3
75°	0
77.5°	2
80°	0
82.5°	3
85°	1
87.5°	1



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)