

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: P22180-R2

Luminaire Tested: **L805MEDWS840**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P22180-R2
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L805MEDWS840
Description: ***THIS IS A REVISION OF P22180 TO UPDATE CATALOG
NUMBER***STASIS LED WITH (7) LEDS AND WIDE SPOT OPTICS.
Light Source: (7) 4000K SMT LEDS
Ballast/Driver: -
ELECTRONIC DRIVER

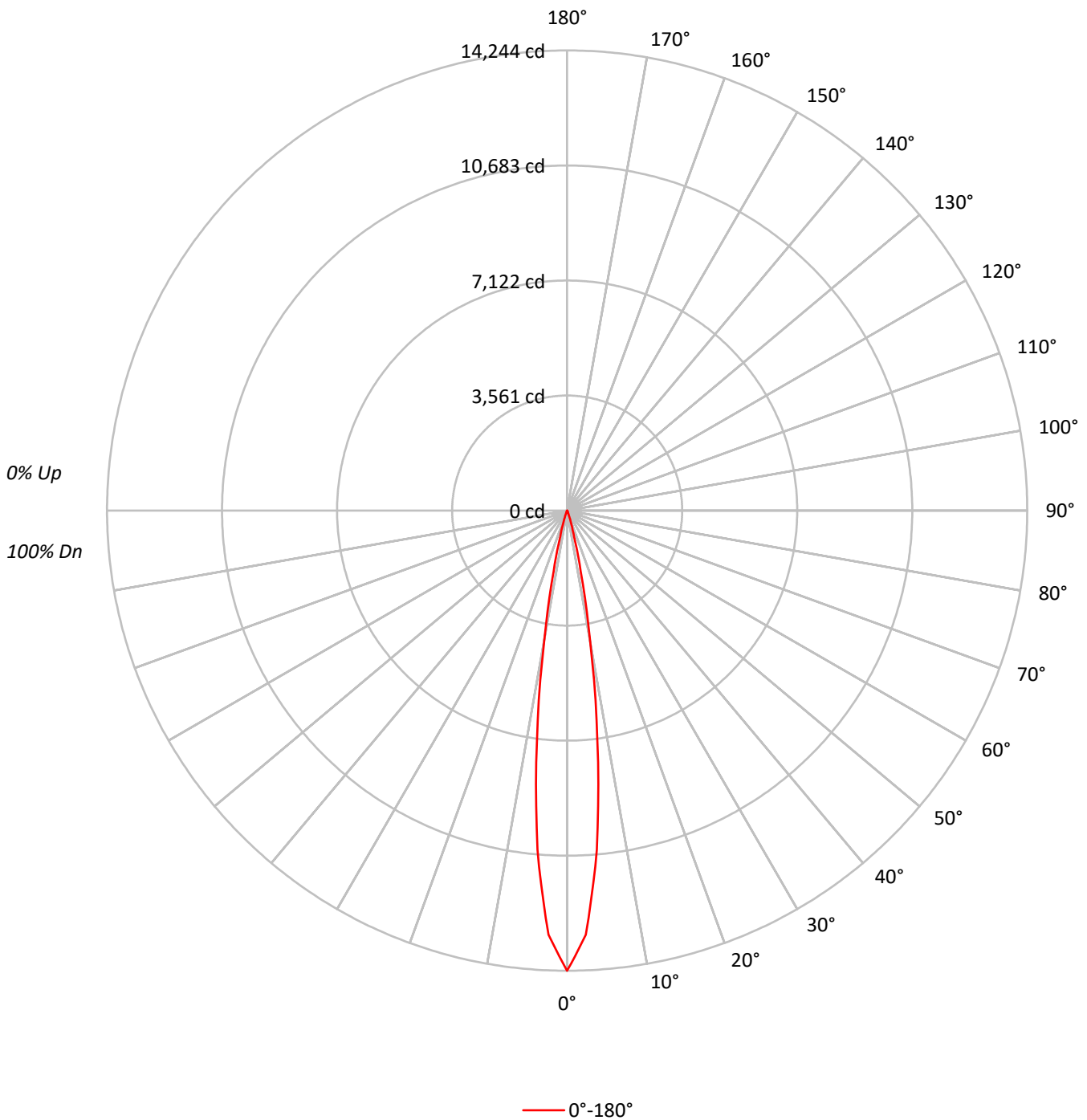
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1163.3 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.26
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (Ain): 0.14385
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	113	111	114	112	111	109	108	107	106	104	104	103	101	101	100	98
2	113	110	108	106	111	109	106	105	106	104	102	103	101	100	100	99	98	97
3	111	107	104	102	109	106	103	101	103	101	100	101	99	98	99	98	97	95
4	108	104	101	99	107	103	100	98	101	99	97	100	98	96	98	96	95	94
5	106	102	99	97	105	101	98	96	100	97	95	98	96	95	97	95	94	93
6	105	100	97	95	104	99	96	94	98	96	94	97	95	93	96	94	93	92
7	103	98	95	93	102	98	95	93	97	94	92	96	94	92	95	93	92	91
8	101	97	94	92	101	96	93	91	95	93	91	95	92	91	94	92	91	90
9	100	95	92	90	99	95	92	90	94	92	90	94	91	90	93	91	90	89
10	99	94	91	89	98	94	91	89	93	91	89	93	90	89	92	90	89	88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1756935
5°	1304657
10°	505127
15°	105094
20°	21396
25°	7213
30°	3846
35°	2409
40°	1449
45°	1221
50°	1151
55°	1075
60°	987
65°	876
70°	721
75°	477
80°	710
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	792.5	68.1
10°-20°	316.3	27.2
20°-30°	29.7	2.6
30°-40°	10.3	0.9
40°-50°	5.7	0.5
50°-60°	4.5	0.4
60°-70°	2.7	0.2
70°-80°	1.4	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°	1138.6	97.9
0°-40°	1148.9	98.8
0°-60°	1159.0	99.6
0°-90°	1163.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1163.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14244	
5°	10537	793
15°	823	316
25°	53	30
35°	16	10
45°	7	6
55°	5	4
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14244
2.5°	13144
5°	10537
7.5°	7184
10°	4033
12.5°	1919
15°	823
17.5°	353
20°	163
22.5°	85
25°	53
27.5°	38
30°	27
32.5°	21
35°	16
37.5°	12
40°	9
42.5°	8
45°	7
47.5°	7
50°	6
52.5°	6
55°	5
57.5°	4
60°	4
62.5°	3
65°	3
67.5°	2
70°	2
72.5°	2
75°	1
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)