

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: P21909-R2

Luminaire Tested: **L805MEDNF830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P21909-R2
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L805MEDNF830
Description: ***THIS IS A REVISION OF P21909 TO UPDATE CATALOG
NUMBER***STASIS LED WITH (7) LEDS AND NARROW FLOOD OPTICS
.---ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS
CREATED USING A 500 WATT, NIST TRACEABLE, AND
OMNI-DIRECTIONAL LAB LUMEN STANDARD IN THE GONIOPHOTOMETER
WITH TEST DISTANCE OF 28.75 FEET----
Light Source: (7) SMT LEDS
Ballast/Driver: -
ELECTRONIC DRIVER

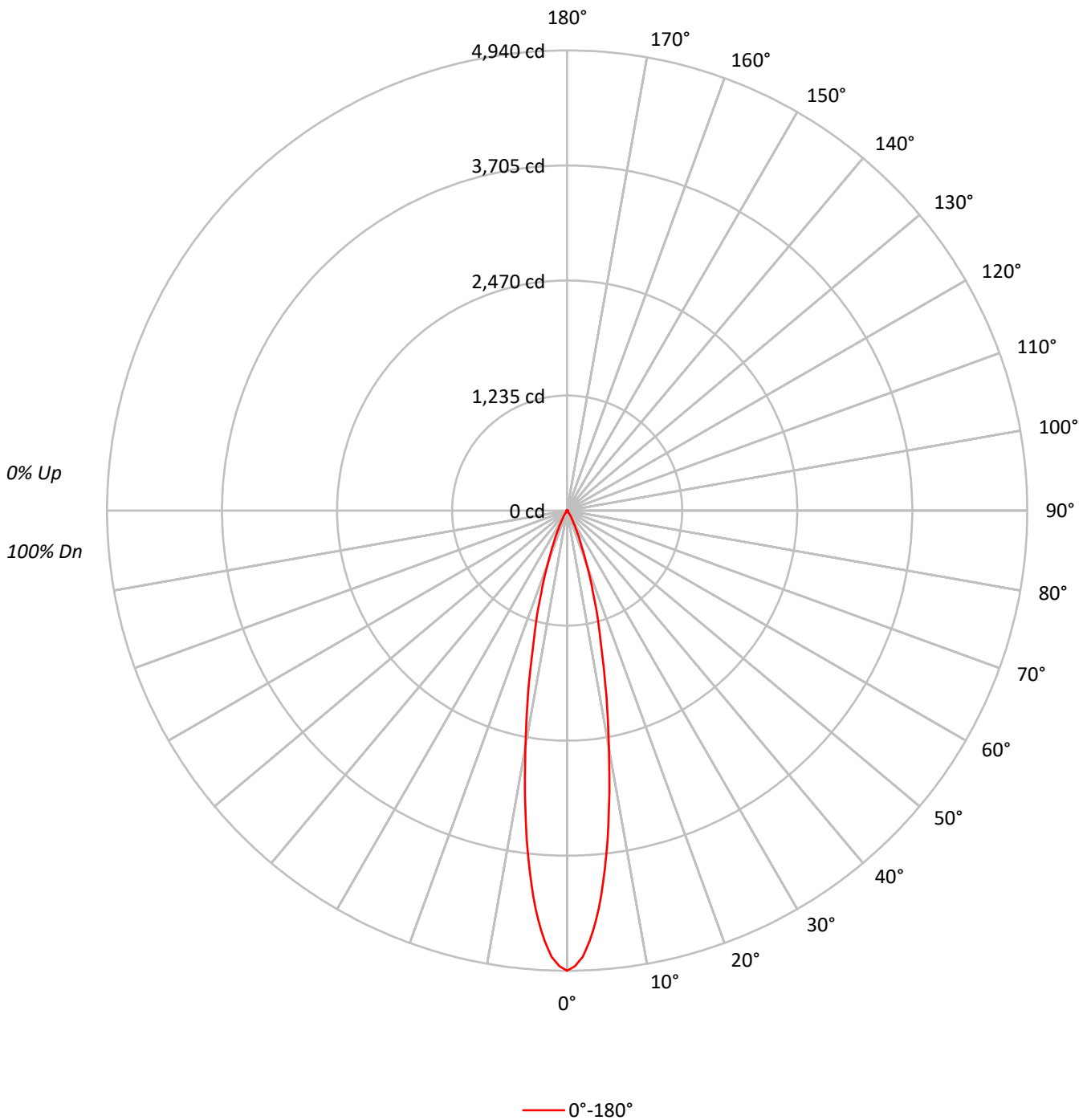
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 881.4 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.37
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 17.3
Input Voltage (V): NR
Input Current (Ain): 0.1458
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

TEST NUMBER: P21909-R2
CATALOG NUMBER: L805MEDNF830

Luminous Intensity Polar Plot





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CATALOG NUMBER: L805MEDNF830

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	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	85
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83
7	96	90	86	83	95	90	86	83	88	85	83	87	84	82	86	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79
9	92	85	81	79	91	85	81	78	84	81	78	83	80	78	83	80	78	77
10	89	83	79	77	89	83	79	76	82	79	76	81	78	76	81	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	539748
5°	456700
10°	285909
15°	151235
20°	69647
25°	29175
30°	12490
35°	4135
40°	2139
45°	155
50°	1360
55°	571
60°	0
65°	0
70°	319
75°	844
80°	3146
85°	5015



TEST NUMBER: P21909-R2

CATALOG NUMBER: L805MEDNF830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	39.1
10°-20°	375.6	42.6
20°-30°	123.4	14.0
30°-40°	24.0	2.7
40°-50°	4.1	0.5
50°-60°	4.5	0.5
60°-70°	0.4	0.0
70°-80°	1.9	0.2
80°-90°	3.1	0.4
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°	843.5	95.7
0°-40°	867.5	98.4
0°-60°	876.0	99.4
0°-90°	881.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4940	
5°	4164	344
15°	1337	376
25°	242	123
35°	31	24
45°	1	4
55°	3	4
65°	0	0
75°	2	2
85°	4	3
90°	0	



TEST NUMBER: P21909-R2
CATALOG NUMBER: L805MEDNF830

CANDELA DISTRIBUTION (FULL):

0°	
0°	4940
1°	4892
2°	4793
3°	4626
4°	4417
5°	4164
6°	3872
7°	3558
8°	3228
9°	2900
10°	2577
11°	2290
12°	2017
13°	1755
14°	1525
15°	1337
17.5°	924
20°	599
22.5°	384
25°	242
27.5°	149
30°	99
32.5°	54
35°	31
37.5°	17
40°	15
42.5°	7
45°	1
47.5°	2
50°	8
52.5°	4
55°	3
57.5°	9
60°	0
62.5°	1
65°	0
67.5°	0
70°	1
72.5°	0
75°	2
77.5°	2
80°	5
82.5°	0
85°	4
87.5°	5



TEST NUMBER: P21909-R2

CATALOG NUMBER: L805MEDNF830

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)