

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P886622

Luminaire Tested: ML310LSFL95FS1E-TIR4D55WFL-TL3RDSL-850LM-2700K

Issue Date: 7/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P886622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML310LSFL95FS1E-TIR4D55WFL-TL3RDSL-850LM-2700K
Description: 3IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT
Ballast/Driver: -

Summary

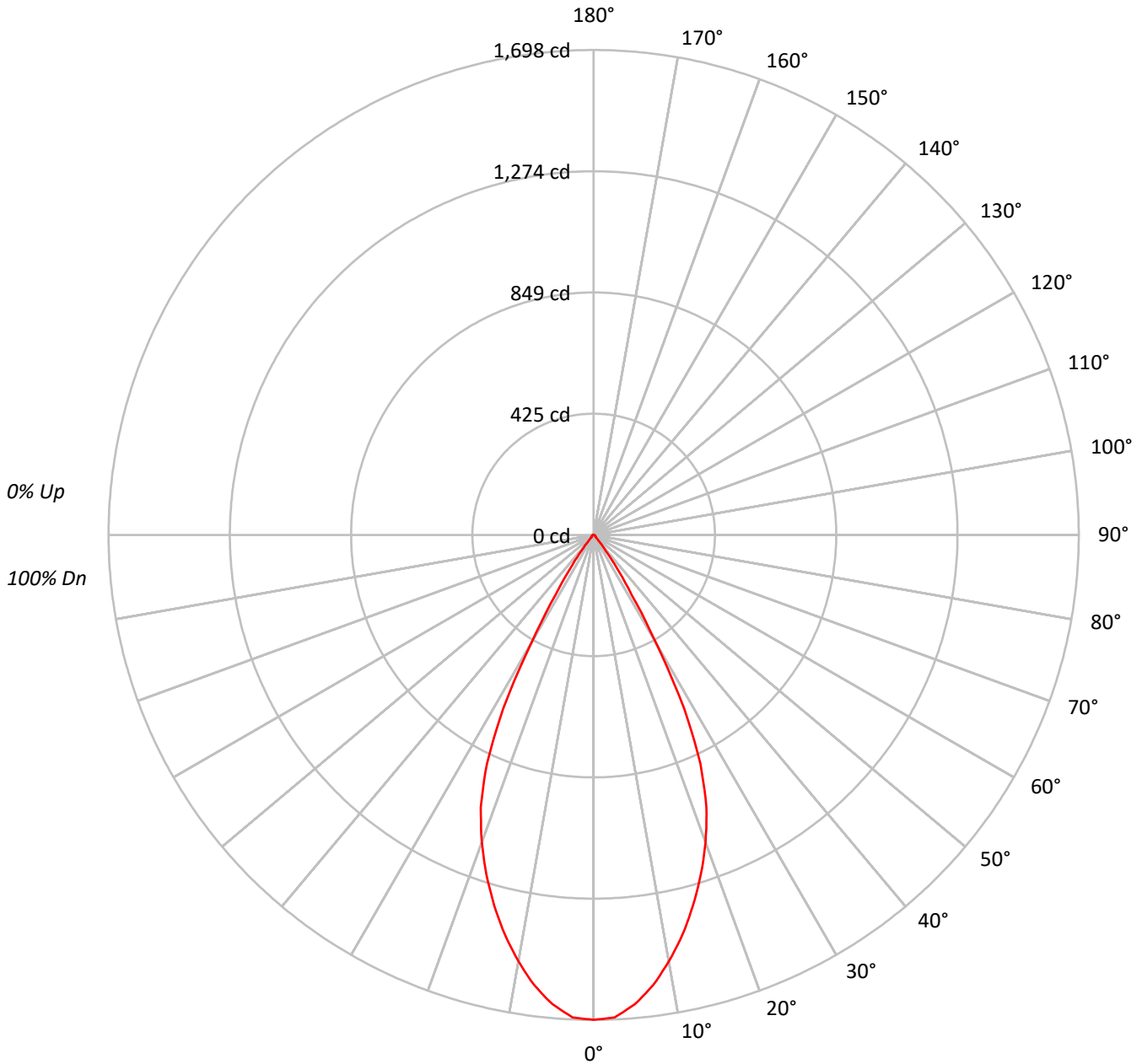
Lumens per Lamp: N/A
Luminaire Lumens: 1041.5 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.6
Input Voltage (V): NR
Input Current (A_{in}): NR
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: 24 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	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	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89			
3	104	99	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84			
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80			
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75			
6	92	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71			
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68			
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	68	66	65			
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61			
10	78	69	64	60	77	68	64	60	68	63	60	67	63	60	66	62	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	372317
5°	363151
10°	337602
15°	305019
20°	267120
25°	213859
30°	109257
35°	36246
40°	9618
45°	3380
50°	3104
55°	3135
60°	3201
65°	2854
70°	2885
75°	3050
80°	3410
85°	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 3410 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.2	14.7
10°-20°	374.2	35.9
20°-30°	382.7	36.7
30°-40°	102.8	9.9
40°-50°	10.8	1.0
50°-60°	7.1	0.7
60°-70°	5.8	0.6
70°-80°	3.8	0.4
80°-90°	1.1	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°	910.1	87.4
0°-40°	1012.9	97.3
0°-60°	1030.8	99.0
0°-90°	1041.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1041.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1698	
5°	1650	153
15°	1344	374
25°	884	383
35°	135	103
45°	11	11
55°	8	7
65°	6	6
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1697.9
2.5°	1690.6
5°	1649.8
7.5°	1590.7
10°	1516.2
12.5°	1434.5
15°	1343.6
17.5°	1247.3
20°	1144.7
22.5°	1032.0
25°	883.9
27.5°	685.9
30°	431.5
32.5°	246.2
35°	135.4
37.5°	70.0
40°	33.6
42.5°	14.5
45°	10.9
47.5°	10.0
50°	9.1
52.5°	8.2
55°	8.2
57.5°	7.3
60°	7.3
62.5°	6.4
65°	5.5
67.5°	5.5
70°	4.5
72.5°	4.5
75°	3.6
77.5°	2.7
80°	2.7
82.5°	1.8
85°	0.9
87.5°	0.0
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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