

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: P886900

Luminaire Tested: ML412LSFL95FS1E-TIR4D40FL-TL4RDSL-1020LM-2700K

Issue Date: 7/9/2024

Test Information

Test Method: LM-79-2019
Report Number: P886900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/9/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML412LSFL95FS1E-TIR4D40FL-TL4RDSL-1020LM-2700K
Description: 4IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT
Ballast/Driver: -

Summary

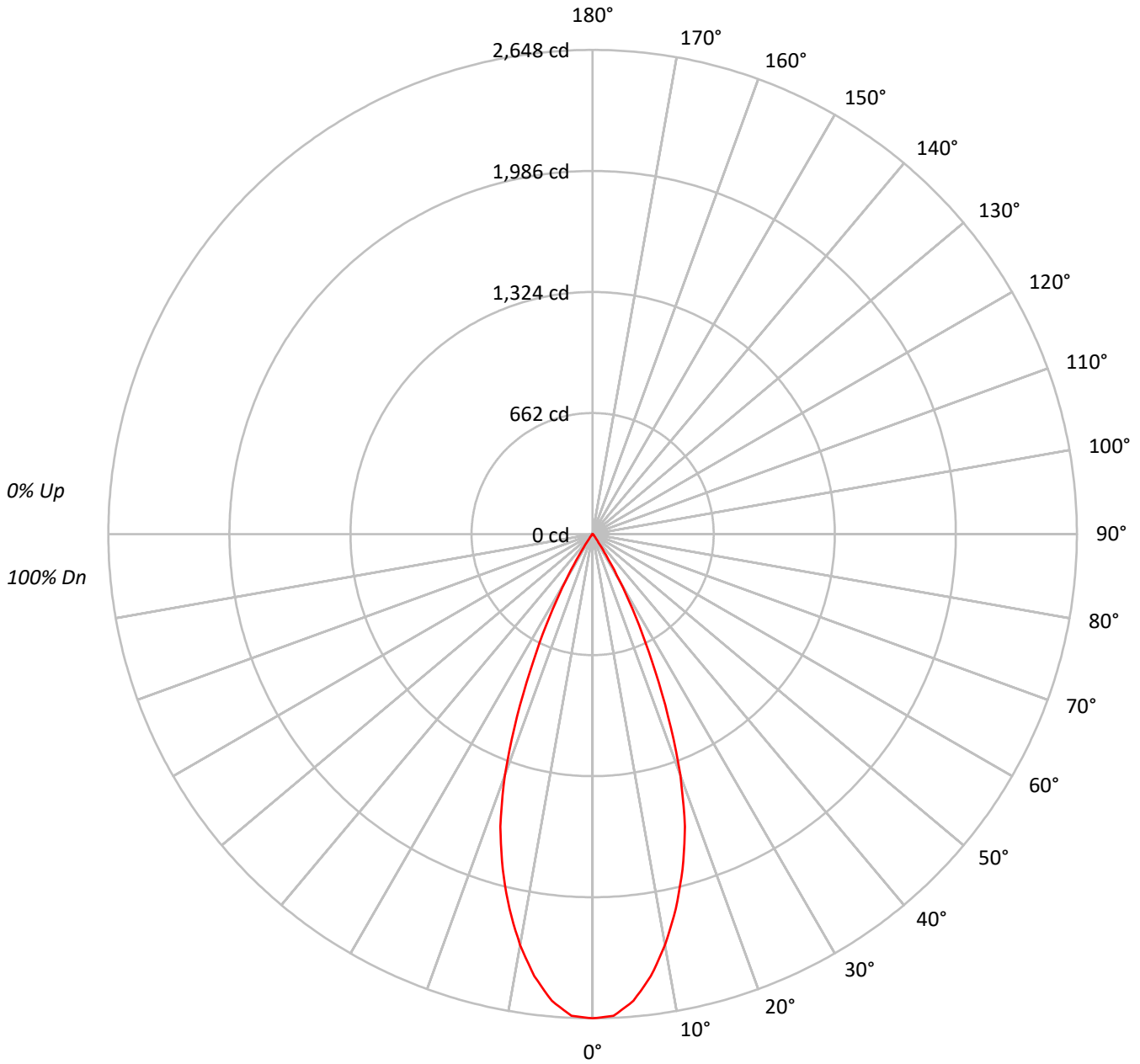
Lumens per Lamp: N/A
Luminaire Lumens: 1174.9 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.63
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 17.6
Input Voltage (V): NR
Input Current (Ain): 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





TEST NUMBER: P886900

CATALOG NUMBER: ML412LSFL95FS1E-TIR4D40FL-TL4RD5L-1020LM-2700K

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
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	106	106	105	103	102	101	100	99	98	97	96		
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91		
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87		
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83		
5	98	92	87	83	97	91	86	83	89	85	82	88	84	82	86	83	81	80		
6	95	88	83	79	93	87	82	79	85	82	79	84	81	78	83	80	78	76		
7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73		
8	88	81	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70		
9	85	77	73	69	84	77	72	69	76	72	69	75	72	69	75	71	69	68		
10	82	74	70	67	81	74	70	67	73	69	66	73	69	66	72	69	66	65		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	326607
5°	317194
10°	285767
15°	242471
20°	183898
25°	103964
30°	41688
35°	8131
40°	2270
45°	959
50°	595
55°	495
60°	395
65°	467
70°	289
75°	381
80°	568
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 959 cd/sqm



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2647.9
2.5°	2637.7
5°	2561.8
7.5°	2438.1
10°	2281.6
12.5°	2100.0
15°	1898.8
17.5°	1678.1
20°	1401.0
22.5°	1077.8
25°	763.9
27.5°	508.8
30°	292.7
32.5°	135.4
35°	54.0
37.5°	27.4
40°	14.1
42.5°	7.8
45°	5.5
47.5°	3.9
50°	3.1
52.5°	3.1
55°	2.3
57.5°	2.3
60°	1.6
62.5°	1.6
65°	1.6
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.8
82.5°	0.0
85°	0.0
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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(END OF REPORT)