

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: P886405

Luminaire Tested: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSLb-550LM-2700K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886405
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-87)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSL B-550LM-2700K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 568.0 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

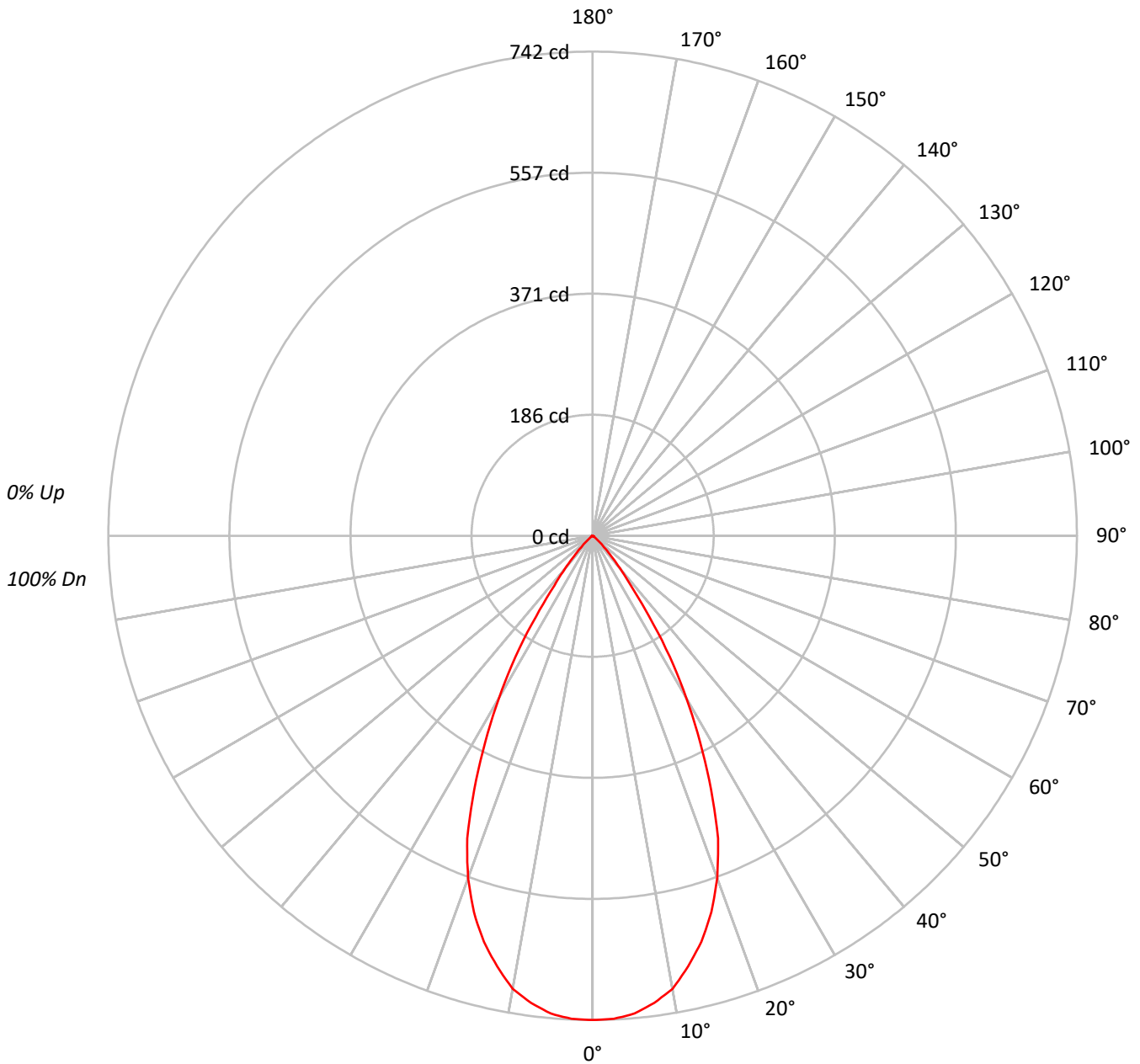
Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83			
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73			
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68			
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64			
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61			
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57			
10	74	65	60	56	73	65	60	56	64	59	56	63	59	56	63	58	55	54			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	366088
5°	364019
10°	353198
15°	328945
20°	292974
25°	233541
30°	163506
35°	90948
40°	41864
45°	17444
50°	6908
55°	2581
60°	1974
65°	1167
70°	1443
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	12.2
10°-20°	179.1	31.5
20°-30°	194.0	34.2
30°-40°	98.1	17.3
40°-50°	22.5	4.0
50°-60°	3.6	0.6
60°-70°	1.1	0.2
70°-80°	0.4	0.1
80°-90°	0.0	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°	442.3	77.9
0°-40°	540.4	95.1
0°-60°	566.5	99.7
0°-90°	568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	568.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	742	
5°	735	69
15°	644	179
25°	429	194
35°	151	98
45°	25	22
55°	3	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	742
2.5°	741
5°	735
7.5°	722
10°	705
12.5°	676
15°	644
17.5°	605
20°	558
22.5°	502
25°	429
27.5°	356
30°	287
32.5°	220
35°	151
37.5°	96
40°	65
42.5°	42
45°	25
47.5°	15
50°	9
52.5°	6
55°	3
57.5°	2
60°	2
62.5°	1
65°	1
67.5°	1
70°	1
72.5°	1
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0
90°	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)