

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: P886282

Luminaire Tested: ML204LSFL9FS1E-TIR1D25NFL-TL2RDSL-550LM-3500K

Issue Date: 7/18/2024

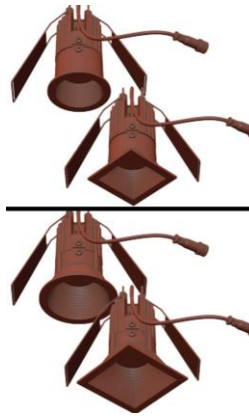
Test Information

Test Method: LM-79-2019
Report Number: P886282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D25NFL-TL2RDSL-550LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 489.7 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.53
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

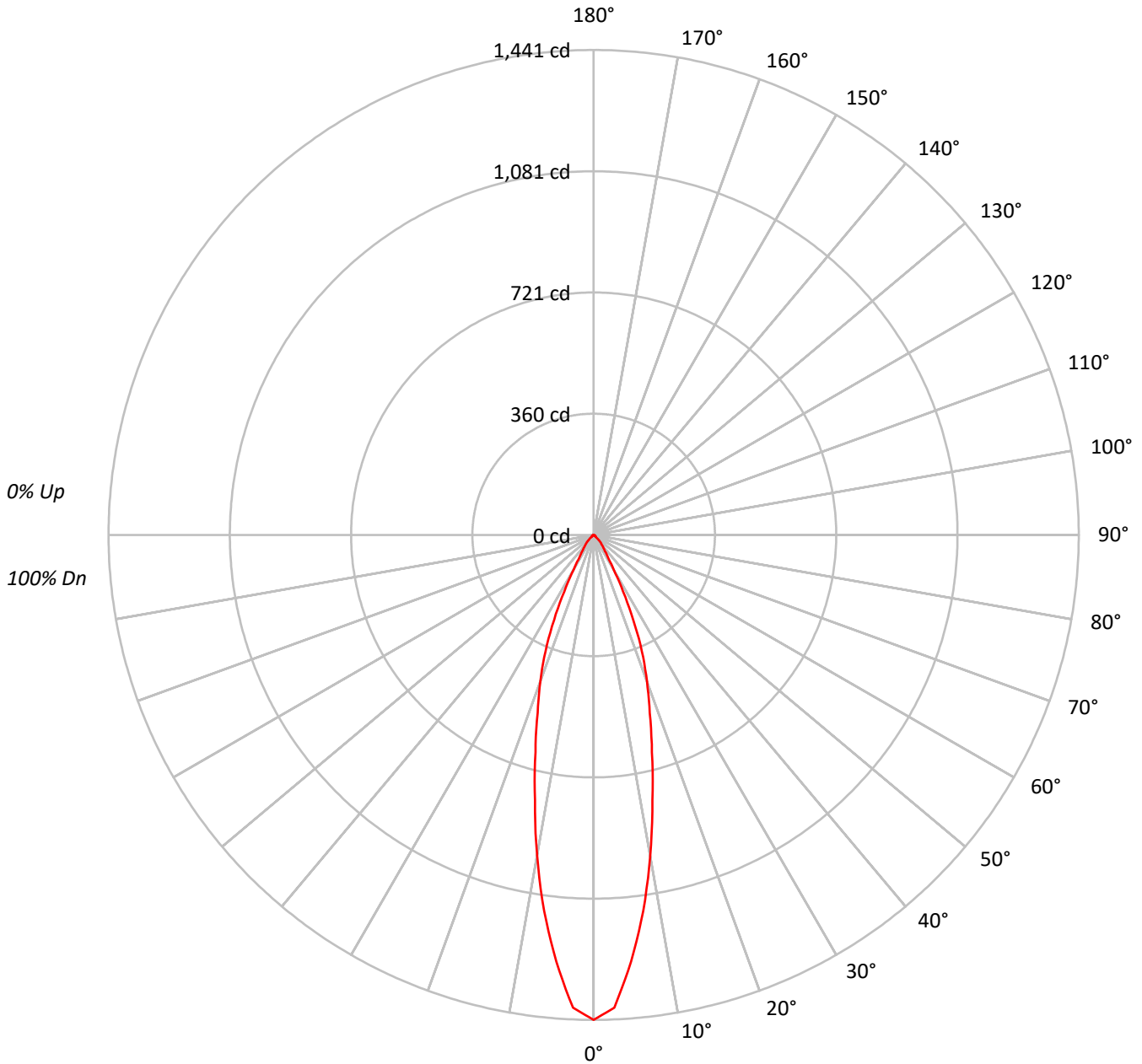
Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P886282
 CATALOG NUMBER: ML204LSFL9FS1E-TIR1D25NFL-TL2RD5L-550LM-3500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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				100															
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95				95															
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90				90															
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86				86															
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82				82															
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78				78															
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74				74															
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	72	71				71															
8	87	79	74	70	86	78	74	70	77	73	70	76	73	70	75	72	69	68				68															
9	84	76	71	67	83	75	71	67	74	70	67	74	70	67	73	69	67	66				66															
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63				63															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	711009
5°	630224
10°	485059
15°	341357
20°	242675
25°	151665
30°	66883
35°	35355
40°	24088
45°	14862
50°	5757
55°	4559
60°	3158
65°	2452
70°	1587
75°	2097
80°	3125
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14862 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	22.9
10°-20°	187.2	38.2
20°-30°	126.2	25.8
30°-40°	40.1	8.2
40°-50°	15.8	3.2
50°-60°	4.8	1.0
60°-70°	2.4	0.5
70°-80°	1.2	0.2
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°	425.4	86.9
0°-40°	465.5	95.1
0°-60°	486.0	99.3
0°-90°	489.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	489.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1441	
5°	1272	112
15°	668	187
25°	279	126
35°	59	40
45°	21	16
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1441.1
2.5°	1405.9
5°	1272.5
7.5°	1127.3
10°	968.2
12.5°	807.0
15°	668.3
17.5°	554.0
20°	462.2
22.5°	374.7
25°	278.6
27.5°	188.9
30°	117.4
32.5°	77.9
35°	58.7
37.5°	47.0
40°	37.4
42.5°	29.9
45°	21.3
47.5°	9.6
50°	7.5
52.5°	6.4
55°	5.3
57.5°	4.3
60°	3.2
62.5°	3.2
65°	2.1
67.5°	2.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
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)