

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: P886327

Luminaire Tested: ML204LSFL9FS1E-TIR1D40FL-TL2RDMBB-550LM-3500K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-82)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D40FL-TL2RDMBB-550LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 605.3 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

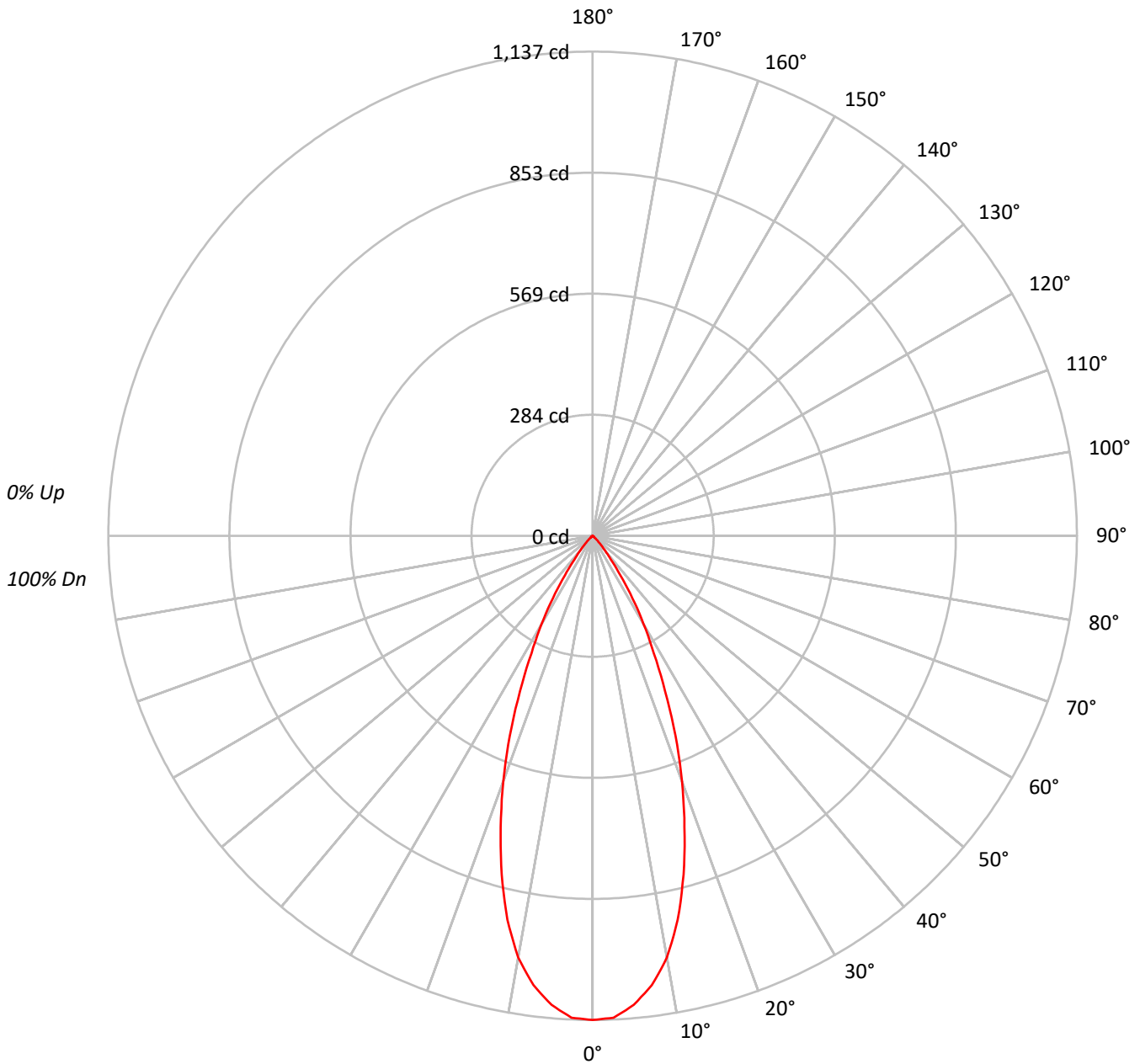
Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	103		102	101	100		98	98	97	95
2	109	105	102	99	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	81
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	84	79	76	91	84	79	75	82	78	75		81	77	74		80	76	74	73
7	88	80	75	71	87	80	75	71	79	74	71		77	73	71		76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67		74	70	67		73	70	67	66
9	82	73	68	65	81	73	68	64	72	67	64		71	67	64		70	67	64	63
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	560973
5°	547762
10°	503846
15°	420988
20°	321747
25°	219115
30°	136217
35°	68181
40°	29562
45°	10396
50°	3301
55°	946
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	16.9
10°-20°	226.3	37.4
20°-30°	185.4	30.6
30°-40°	76.1	12.6
40°-50°	13.9	2.3
50°-60°	1.2	0.2
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	514.1	84.9
0°-40°	590.2	97.5
0°-60°	605.3	100.0
0°-90°	605.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1137	
5°	1106	102
15°	824	226
25°	402	185
35°	113	76
45°	15	14
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1137.0
2.5°	1132.7
5°	1106.0
7.5°	1064.4
10°	1005.7
12.5°	923.5
15°	824.2
17.5°	717.4
20°	612.8
22.5°	508.2
25°	402.5
27.5°	310.7
30°	239.1
32.5°	174.0
35°	113.2
37.5°	70.5
40°	45.9
42.5°	27.8
45°	14.9
47.5°	6.4
50°	4.3
52.5°	2.1
55°	1.1
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
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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