

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: P886131

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDMB-468LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-79)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDMB-468LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE BLACK TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3000K CCT
Ballast/Driver: -

Summary

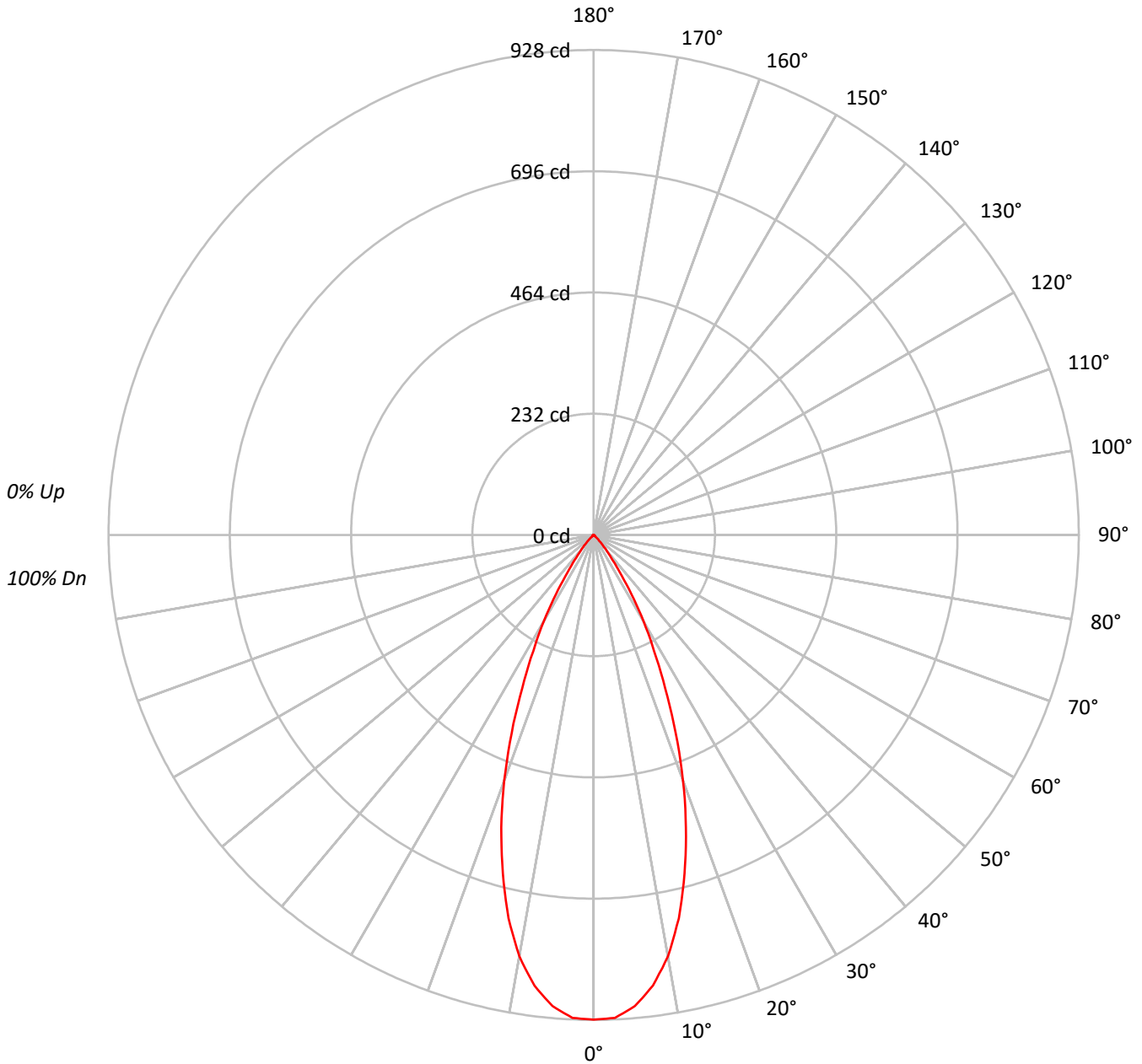
Lumens per Lamp: N/A
Luminaire Lumens: 487.7 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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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CATALOG NUMBER: ML204LSFL95FS1E-TIR1D40FL-TL2RDDB-468LM-3000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457659
5°	448264
10°	410061
15°	342838
20°	262364
25°	175891
30°	108529
35°	51618
40°	22864
45°	7257
50°	1996
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7257 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	17.1
10°-20°	184.5	37.8
20°-30°	149.5	30.6
30°-40°	58.9	12.1
40°-50°	10.4	2.1
50°-60°	0.8	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°	417.6	85.6
0°-40°	476.5	97.7
0°-60°	487.7	100.0
0°-90°	487.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	928	
5°	905	84
15°	671	185
25°	323	149
35°	86	59
45°	10	10
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	927.6
2.5°	925.0
5°	905.1
7.5°	869.6
10°	818.5
12.5°	751.8
15°	671.2
17.5°	587.2
20°	499.7
22.5°	409.7
25°	323.1
27.5°	250.3
30°	190.5
32.5°	134.2
35°	85.7
37.5°	54.6
40°	35.5
42.5°	21.7
45°	10.4
47.5°	4.3
50°	2.6
52.5°	1.7
55°	0.9
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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