

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: P886207

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3500K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-86)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

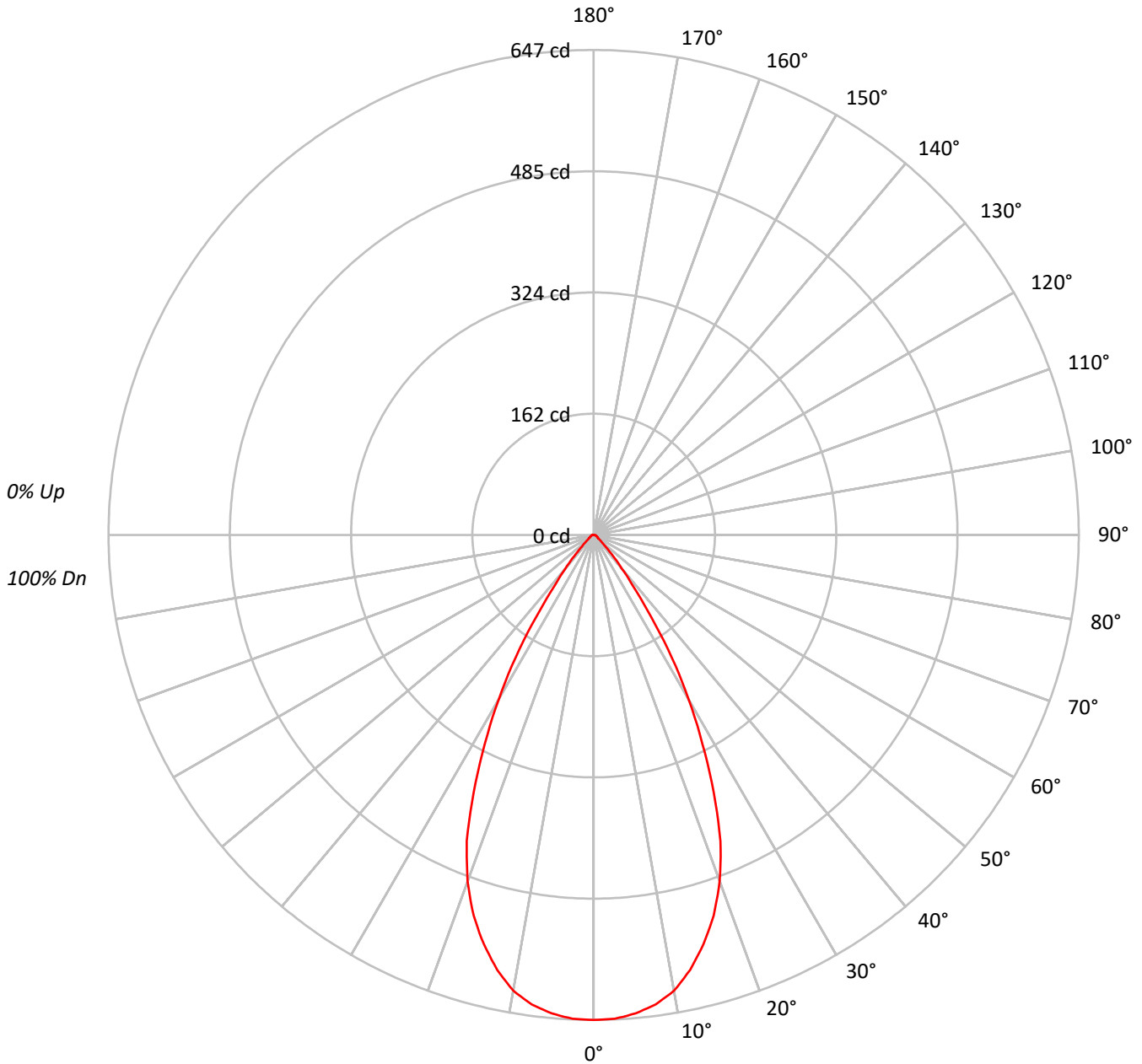
Lumens per Lamp: N/A
Luminaire Lumens: 512.8 lumens
Efficiency: N/A
Efficacy: 64.1 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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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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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87			
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81			
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76			
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	70	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63			
8	81	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	61	59			
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56			
10	73	64	58	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319266
5°	317365
10°	309362
15°	288899
20°	258006
25°	206104
30°	144306
35°	80348
40°	37484
45°	16885
50°	8904
55°	6193
60°	5328
65°	5253
70°	5193
75°	5147
80°	5114
85°	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16885 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.4	11.8
10°-20°	157.4	30.7
20°-30°	171.1	33.4
30°-40°	86.9	16.9
40°-50°	21.5	4.2
50°-60°	6.7	1.3
60°-70°	4.7	0.9
70°-80°	3.1	0.6
80°-90°	1.0	0.2
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°	389.0	75.8
0°-40°	475.9	92.8
0°-60°	504.1	98.3
0°-90°	512.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	512.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	647	
5°	641	60
15°	566	157
25°	379	171
35°	133	87
45°	24	22
55°	7	7
65°	4	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	647.1
2.5°	646.2
5°	640.8
7.5°	631.9
10°	617.5
12.5°	594.3
15°	565.6
17.5°	532.5
20°	491.4
22.5°	442.1
25°	378.6
27.5°	314.1
30°	253.3
32.5°	194.2
35°	133.4
37.5°	85.9
40°	58.2
42.5°	38.5
45°	24.2
47.5°	16.1
50°	11.6
52.5°	8.9
55°	7.2
57.5°	5.4
60°	5.4
62.5°	5.4
65°	4.5
67.5°	4.5
70°	3.6
72.5°	3.6
75°	2.7
77.5°	2.7
80°	1.8
82.5°	1.8
85°	0.9
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)