

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: P886198

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMBB-468LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886198
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-88)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMMBB-468LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT
Ballast/Driver: -

Summary

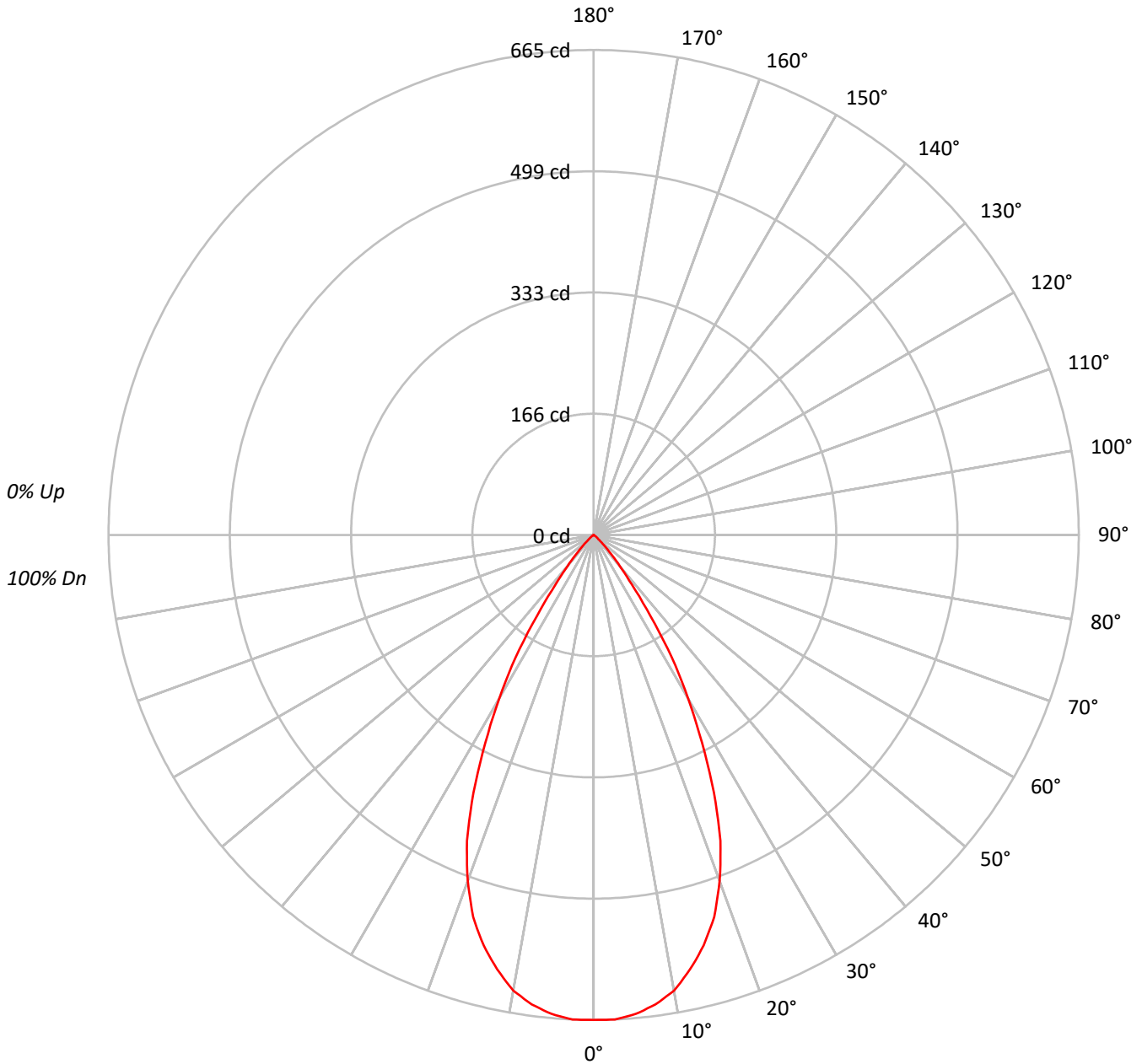
Lumens per Lamp: N/A
Luminaire Lumens: 506.9 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	102	99	96	99	96	94	96	94	92	94	92	90	88			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83			
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78			
5	94	86	81	77	93	85	80	77	84	79	76	82	78	75	81	77	75	73			
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69			
7	86	77	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	63	61			
9	78	69	64	60	77	69	63	60	68	63	60	67	62	59	66	62	59	58			
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328147
5°	326627
10°	317879
15°	297583
20°	265042
25°	212310
30°	147212
35°	81432
40°	35810
45°	13606
50°	4298
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: 13606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	12.3
10°-20°	162.0	32.0
20°-30°	175.6	34.6
30°-40°	87.9	17.3
40°-50°	17.8	3.5
50°-60°	1.4	0.3
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°	399.7	78.9
0°-40°	487.7	96.2
0°-60°	506.9	100.0
0°-90°	506.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	506.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	665	
5°	660	62
15°	583	162
25°	390	176
35°	135	88
45°	20	18
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	665.1
2.5°	665.1
5°	659.5
7.5°	649.3
10°	634.5
12.5°	610.4
15°	582.6
17.5°	549.3
20°	504.8
22.5°	453.9
25°	390.0
27.5°	321.4
30°	258.4
32.5°	199.1
35°	135.2
37.5°	85.2
40°	55.6
42.5°	34.3
45°	19.5
47.5°	10.2
50°	5.6
52.5°	2.8
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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