

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: P886088

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDMWB-468LM-4000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-74)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDMWB-468LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT
Ballast/Driver: -

Summary

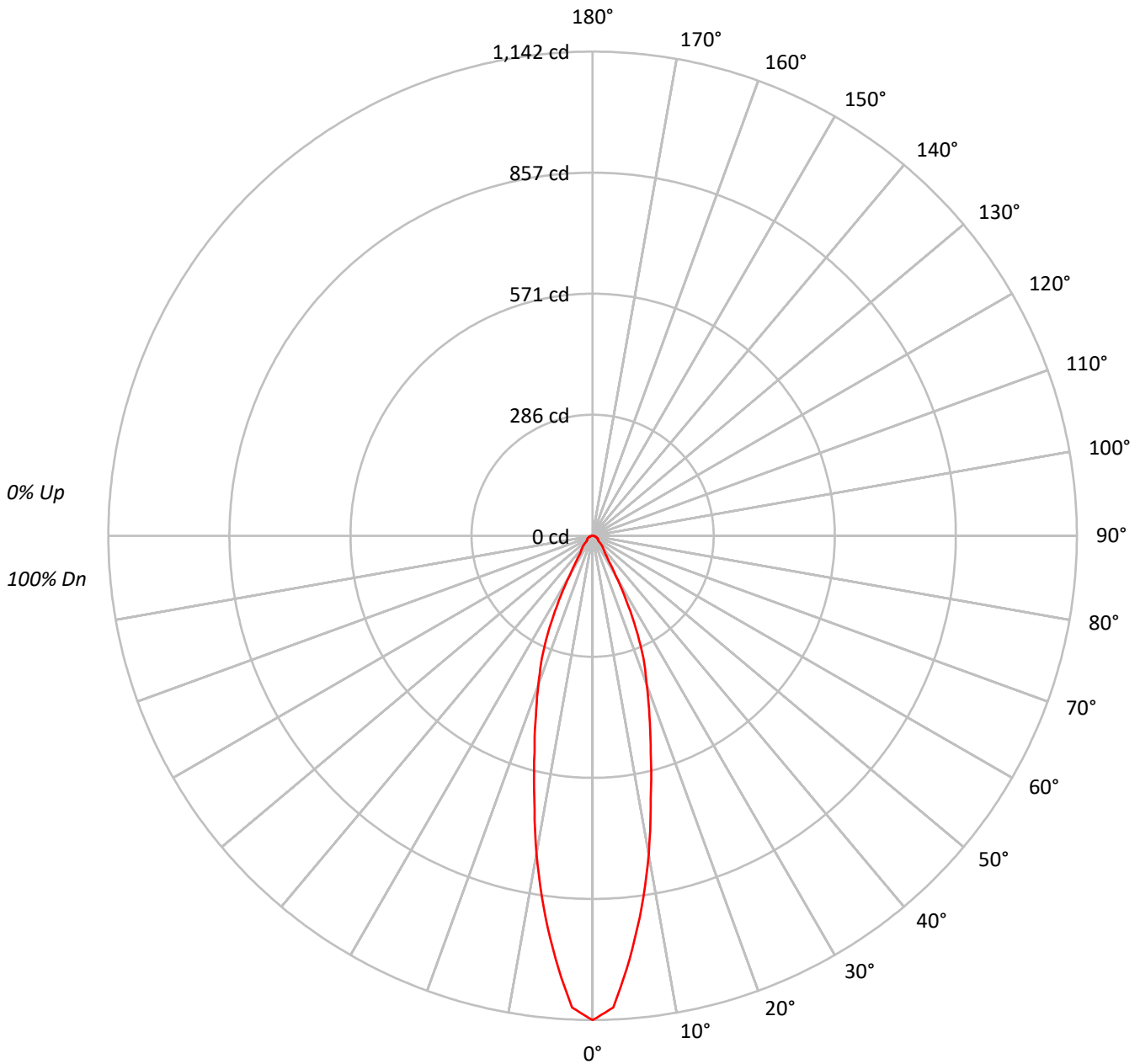
Lumens per Lamp: N/A
Luminaire Lumens: 437.4 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	108	106	104	104	102	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82			
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73			
6	90	82	76	72	89	81	76	72	79	75	71	78	74	71	77	73	70	69			
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66			
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63			
9	80	71	66	62	79	70	65	62	70	65	62	69	64	61	68	64	61	60			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	58			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	563587
5°	496156
10°	381504
15°	270460
20°	196051
25°	131795
30°	62155
35°	31741
40°	24990
45°	19955
50°	13509
55°	13505
60°	13716
65°	12959
70°	11973
75°	12391
80°	10513
85°	10190

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19955 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	20.2
10°-20°	148.6	34.0
20°-30°	108.3	24.8
30°-40°	37.4	8.6
40°-50°	21.1	4.8
50°-60°	14.1	3.2
60°-70°	11.0	2.5
70°-80°	6.7	1.5
80°-90°	2.0	0.5
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°	345.1	78.9
0°-40°	382.5	87.5
0°-60°	417.7	95.5
0°-90°	437.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	437.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1142	
5°	1002	88
15°	530	149
25°	242	108
35°	53	37
45°	29	21
55°	16	14
65°	11	11
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1142.3
2.5°	1113.6
5°	1001.8
7.5°	884.4
10°	761.5
12.5°	634.0
15°	529.5
17.5°	444.5
20°	373.4
22.5°	312.4
25°	242.1
27.5°	171.9
30°	109.1
32.5°	72.1
35°	52.7
37.5°	44.4
40°	38.8
42.5°	34.2
45°	28.6
47.5°	19.4
50°	17.6
52.5°	16.6
55°	15.7
57.5°	14.8
60°	13.9
62.5°	12.0
65°	11.1
67.5°	10.2
70°	8.3
72.5°	7.4
75°	6.5
77.5°	5.5
80°	3.7
82.5°	2.8
85°	1.8
87.5°	0.9
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)