

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: P886201

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMW-468LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-83)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMW-468LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3000K CCT
Ballast/Driver: -

Summary

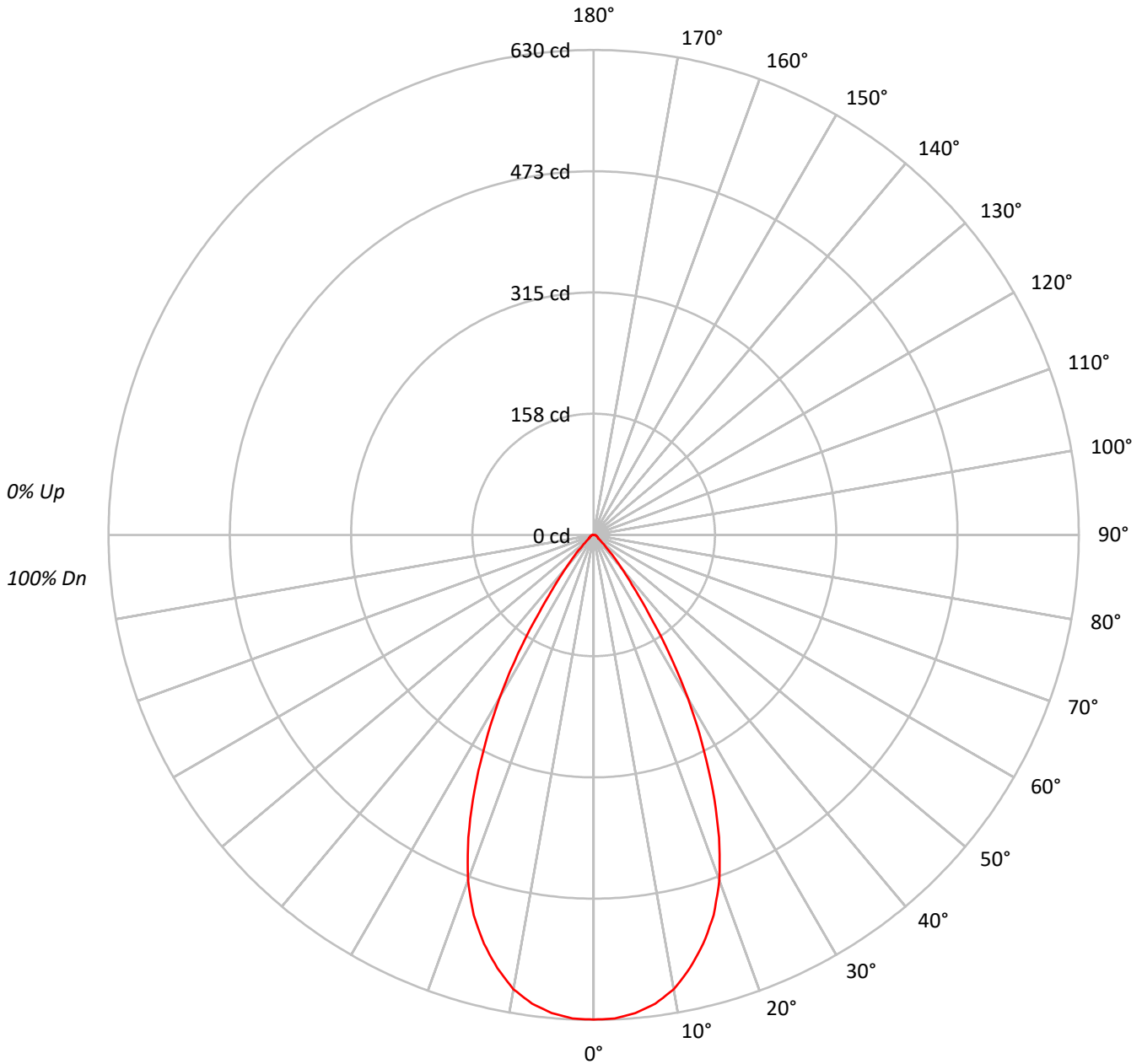
Lumens per Lamp: N/A
Luminaire Lumens: 496.9 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	108	106	104	104	103	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	96	91	87	101	95	90	87	92	88	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	78	74	82	77	74	80	76	73	79	75	73	71			
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	60	59			
9	77	67	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56			
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	310632
5°	308797
10°	300244
15°	280880
20°	250551
25°	199408
30°	139122
35°	74565
40°	36261
45°	16885
50°	8673
55°	5935
60°	6019
65°	6071
70°	6203
75°	6672
80°	7387
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°	58.8	11.8
10°-20°	152.9	30.8
20°-30°	165.3	33.3
30°-40°	82.3	16.6
40°-50°	21.1	4.3
50°-60°	6.8	1.4
60°-70°	4.9	1.0
70°-80°	3.4	0.7
80°-90°	1.3	0.3
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°	377.0	75.9
0°-40°	459.3	92.4
0°-60°	487.2	98.1
0°-90°	496.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	630	
5°	624	59
15°	550	153
25°	366	165
35°	124	82
45°	24	21
55°	7	7
65°	5	5
75°	4	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	629.6
2.5°	628.7
5°	623.5
7.5°	614.0
10°	599.3
12.5°	576.7
15°	549.9
17.5°	517.9
20°	477.2
22.5°	425.2
25°	366.3
27.5°	304.0
30°	244.2
32.5°	182.7
35°	123.8
37.5°	82.3
40°	56.3
42.5°	38.1
45°	24.2
47.5°	15.6
50°	11.3
52.5°	8.7
55°	6.9
57.5°	6.1
60°	6.1
62.5°	5.2
65°	5.2
67.5°	4.3
70°	4.3
72.5°	3.5
75°	3.5
77.5°	2.6
80°	2.6
82.5°	1.7
85°	0.9
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)