

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: P885750

Luminaire Tested: ML104LSFL95FS1E-TIR1D55WFL-TL1RDMW-340LM-3500K

Issue Date: 6/19/2024

Test Information

Test Method: LM-79-2019
Report Number: P885750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-130)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML104LSFL95FS1E-TIR1D55WFL-TL1RDMW-340LM-3500K
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

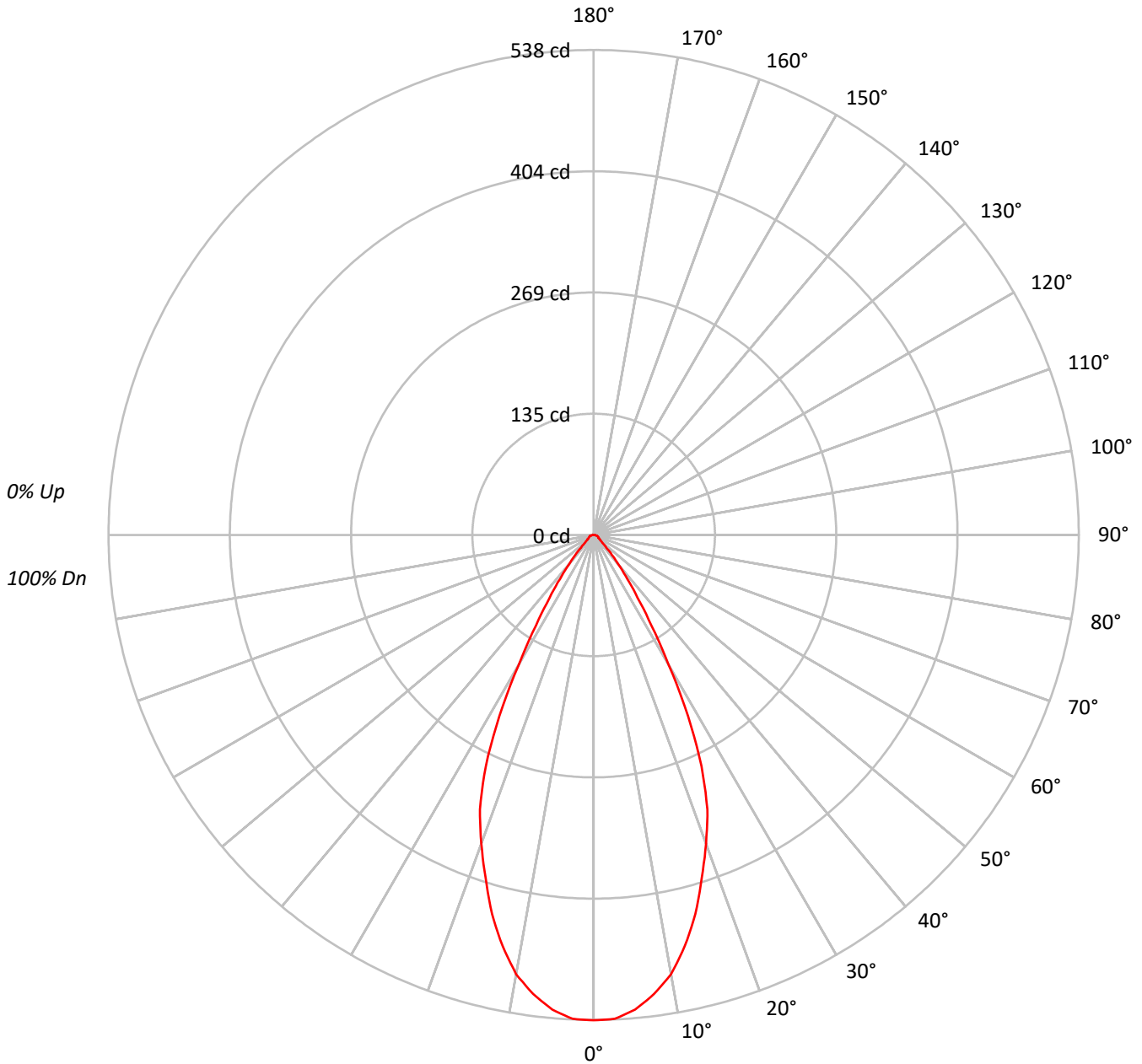
Lumens per Lamp: N/A
Luminaire Lumens: 386.4 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.77
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

Input Watts (W): 6.1
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
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	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81		
4	98	90	85	80	96	89	84	80	87	82	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	72	71		
6	88	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	69	65	72	68	65	71	67	64	63		
8	81	71	66	62	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	58	65	60	57	56		
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1062555
5°	1047001
10°	991573
15°	889797
20°	764893
25°	616468
30°	378973
35°	205027
40°	109749
45°	55262
50°	33466
55°	27182
60°	23288
65°	27552
70°	28274
75°	30501
80°	22730
85°	22644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 55262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.4	12.8
10°-20°	120.7	31.2
20°-30°	125.1	32.4
30°-40°	56.6	14.6
40°-50°	17.1	4.4
50°-60°	7.2	1.9
60°-70°	5.5	1.4
70°-80°	3.8	1.0
80°-90°	1.1	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°	295.2	76.4
0°-40°	351.8	91.0
0°-60°	376.1	97.3
0°-90°	386.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	386.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	538	
5°	528	49
15°	436	121
25°	283	125
35°	85	57
45°	20	17
55°	8	7
65°	6	5
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	538.4
2.5°	537.4
5°	528.5
7.5°	513.7
10°	494.8
12.5°	467.1
15°	435.5
17.5°	398.8
20°	364.2
22.5°	329.6
25°	283.1
27.5°	226.6
30°	166.3
32.5°	118.8
35°	85.1
37.5°	61.4
40°	42.6
42.5°	29.7
45°	19.8
47.5°	13.9
50°	10.9
52.5°	8.9
55°	7.9
57.5°	6.9
60°	5.9
62.5°	5.9
65°	5.9
67.5°	4.9
70°	4.9
72.5°	4.0
75°	4.0
77.5°	3.0
80°	2.0
82.5°	2.0
85°	1.0
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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