

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: P886154

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDSL-468LM-5000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-78)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDSL-468LM-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 572.5 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

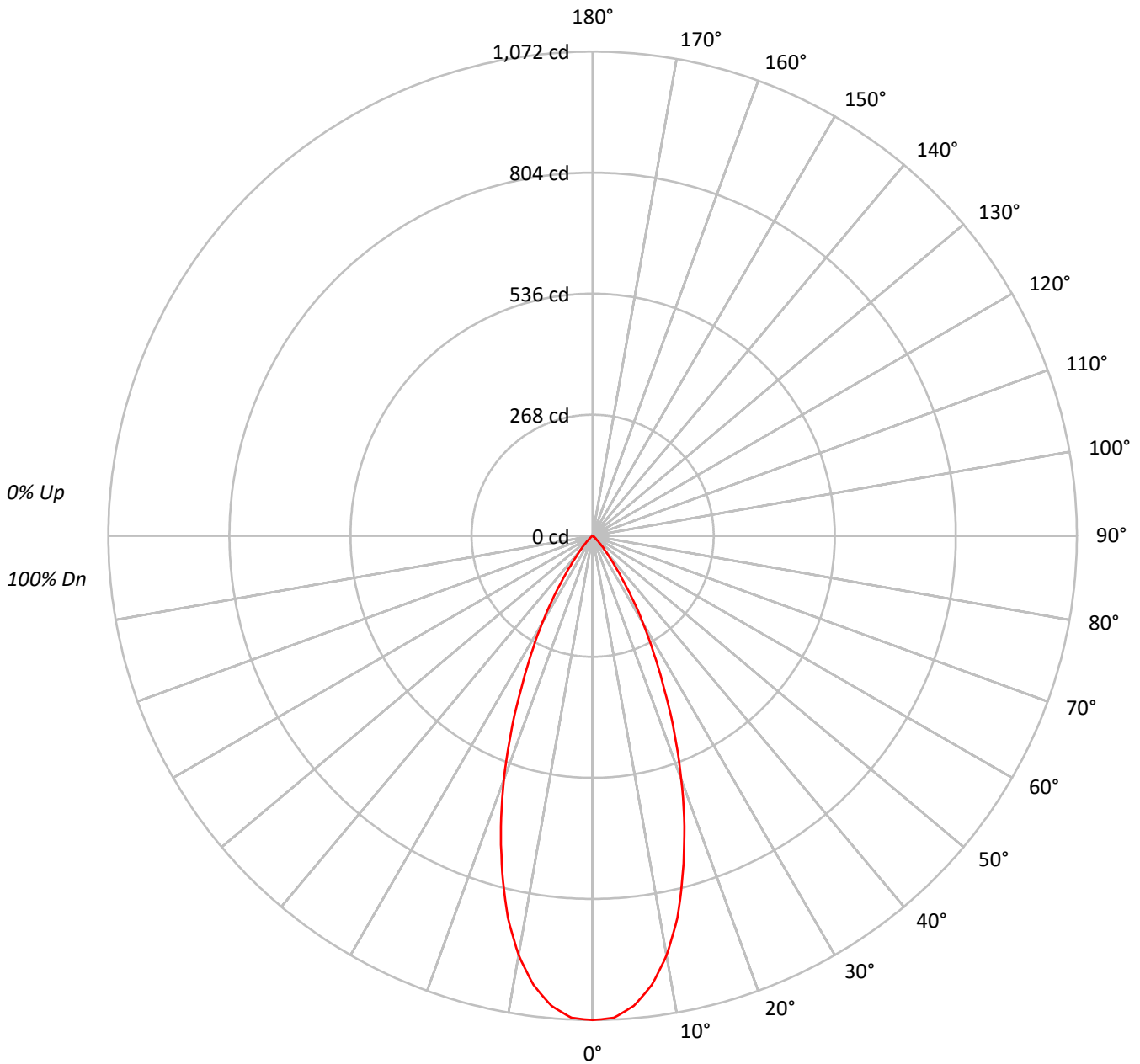
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95																			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90																			
3	105	99	94	91	103	98	94	90	95	92	89	93	90	87	90	88	86	85																			
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80																			
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76																			
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72																			
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69																			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65																			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62																			
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	529002
5°	517502
10°	472284
15°	394427
20°	301165
25°	204090
30°	127044
35°	63363
40°	29498
45°	10885
50°	4452
55°	2495
60°	1875
65°	1167
70°	1443
75°	1906
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10885 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	16.9
10°-20°	212.3	37.1
20°-30°	173.4	30.3
30°-40°	71.1	12.4
40°-50°	14.8	2.6
50°-60°	2.8	0.5
60°-70°	1.1	0.2
70°-80°	0.7	0.1
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°	482.1	84.2
0°-40°	553.2	96.6
0°-60°	570.7	99.7
0°-90°	572.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	572.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1072	
5°	1045	96
15°	772	212
25°	375	173
35°	105	71
45°	16	15
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1072.2
2.5°	1068.3
5°	1044.9
7.5°	1003.0
10°	942.7
12.5°	866.7
15°	772.2
17.5°	674.9
20°	573.6
22.5°	473.3
25°	374.9
27.5°	293.1
30°	223.0
32.5°	158.7
35°	105.2
37.5°	68.2
40°	45.8
42.5°	28.2
45°	15.6
47.5°	8.8
50°	5.8
52.5°	3.9
55°	2.9
57.5°	1.9
60°	1.9
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
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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(END OF REPORT)