

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: P886099

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSLb-468LM-5000K

Issue Date: 7/18/2024

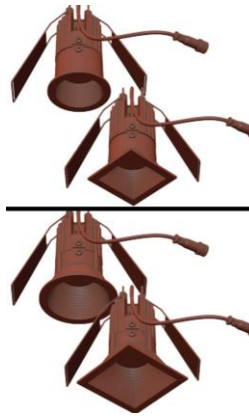
Test Information

Test Method: LM-79-2019
Report Number: P886099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-75)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL B-468LM-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

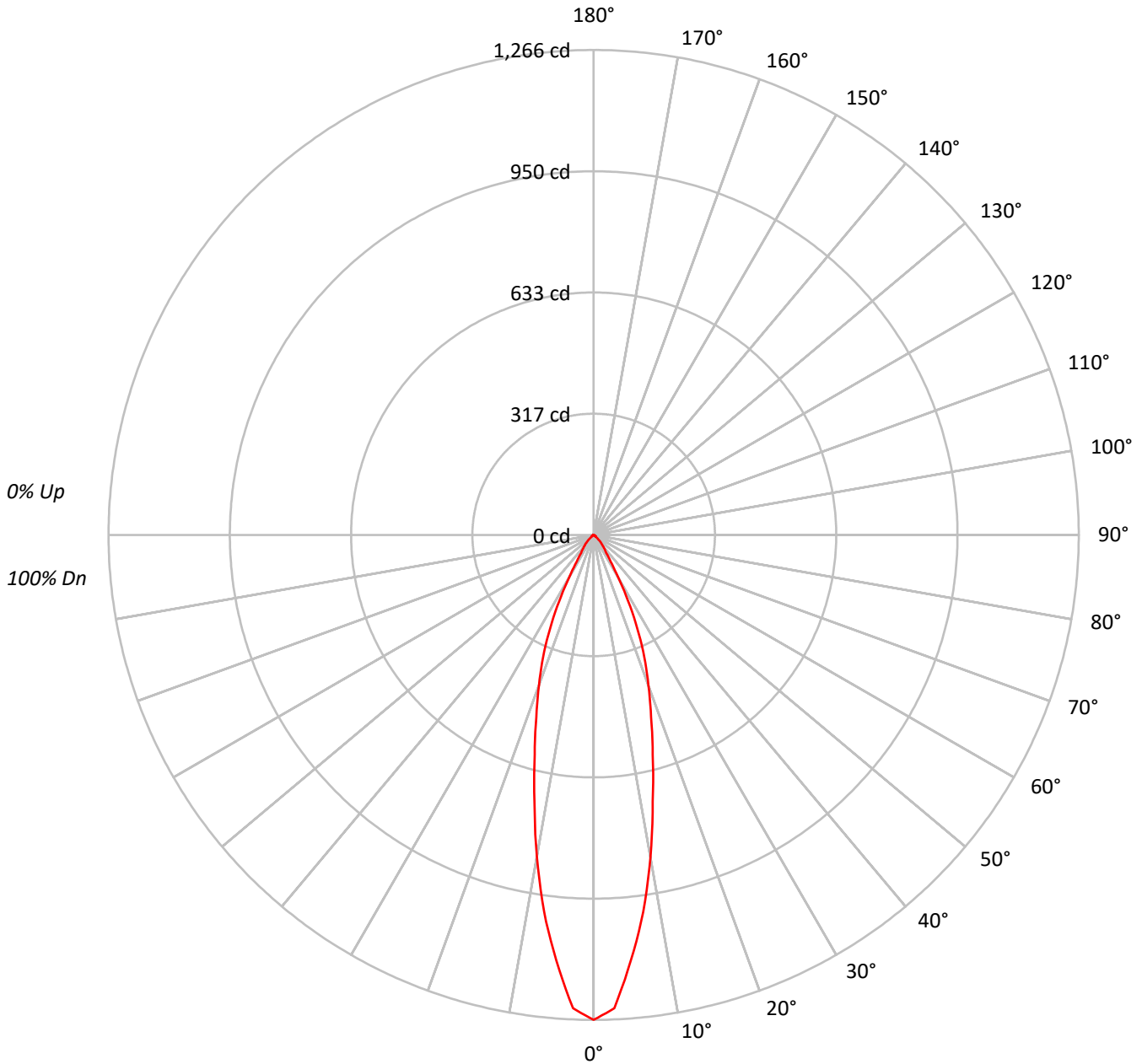
Lumens per Lamp: N/A
Luminaire Lumens: 452.2 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): 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	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	110	108	106	106	104	103	102	101	100	98	98	97	95																											
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90																											
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85																											
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81																											
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77																											
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	81	77	75	74																											
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70																											
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	75	71	68	67																											
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64																											
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	624569
5°	552220
10°	427395
15°	303406
20°	218838
25°	146820
30°	71555
35°	34633
40°	23830
45°	15629
50°	5987
55°	4215
60°	3848
65°	2218
70°	2741
75°	1906
80°	2841
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	21.8
10°-20°	166.7	36.9
20°-30°	121.1	26.8
30°-40°	40.8	9.0
40°-50°	16.6	3.7
50°-60°	4.8	1.1
60°-70°	2.4	0.5
70°-80°	1.2	0.3
80°-90°	0.1	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°	386.3	85.4
0°-40°	427.1	94.5
0°-60°	448.6	99.2
0°-90°	452.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	452.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1266	
5°	1115	98
15°	594	167
25°	270	121
35°	58	41
45°	22	17
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1265.9
2.5°	1236.7
5°	1115.0
7.5°	992.3
10°	853.1
12.5°	712.8
15°	594.0
17.5°	498.6
20°	416.8
22.5°	345.7
25°	269.7
27.5°	194.8
30°	125.6
32.5°	81.8
35°	57.5
37.5°	45.8
40°	37.0
42.5°	30.2
45°	22.4
47.5°	12.7
50°	7.8
52.5°	6.8
55°	4.9
57.5°	3.9
60°	3.9
62.5°	2.9
65°	1.9
67.5°	1.9
70°	1.9
72.5°	1.0
75°	1.0
77.5°	1.0
80°	1.0
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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Scaled Data Report



(END OF REPORT)