

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: P886493

Luminaire Tested: ML204LSFLD2W1E-TIR1D55WFL-TL2RDMW-400LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886493
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: ML204LSFLD2W1E-TIR1D55WFL-TL2RDMW-400LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE TRIM
Light Source: (1) D2W LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

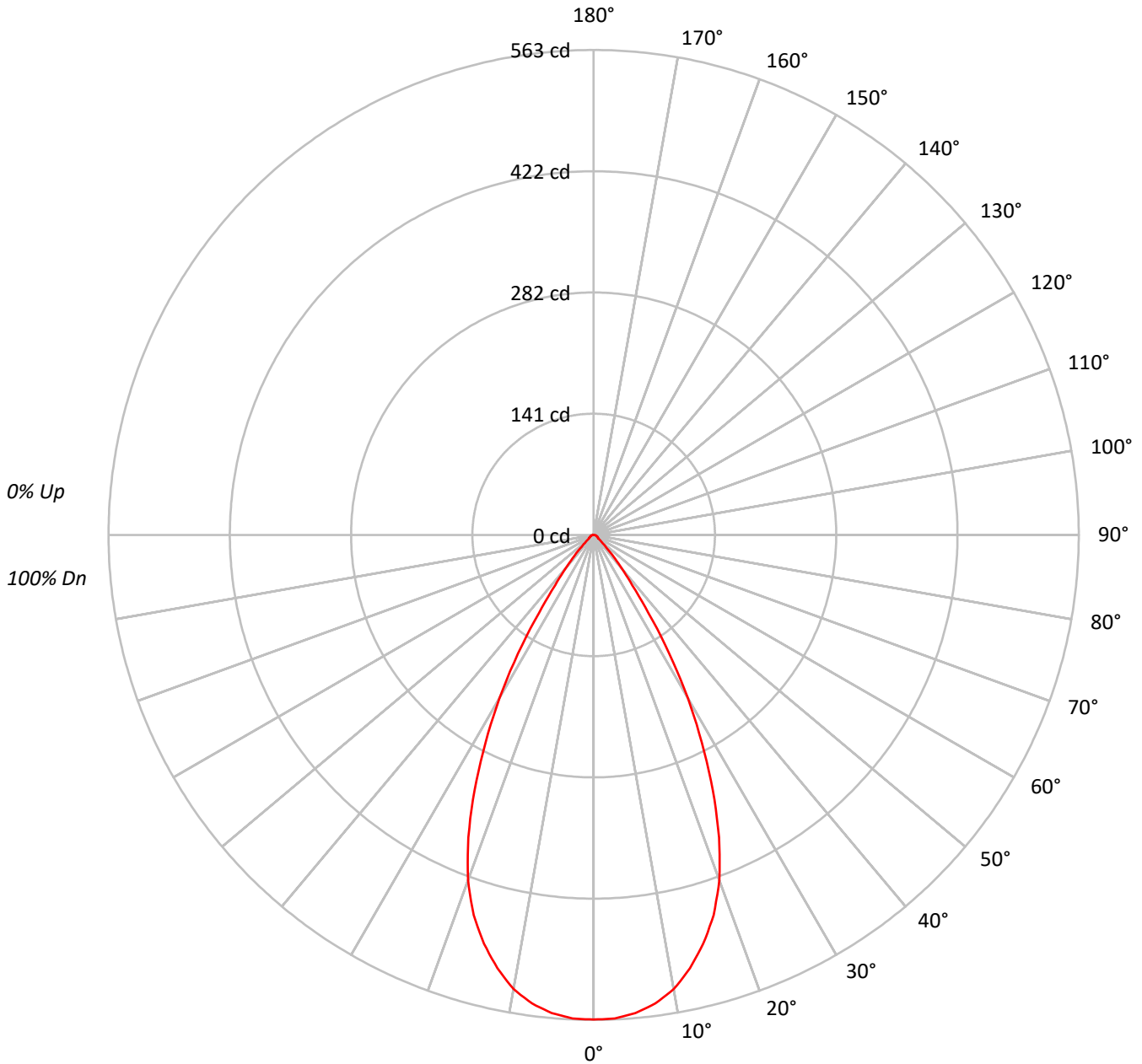
Lumens per Lamp: N/A
Luminaire Lumens: 444.0 lumens
Efficiency: N/A
Efficacy: 71.6 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 6.2
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			100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87			87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76			76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	73	71			71
6	88	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			67
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			63
8	80	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	60	59			59
9	77	67	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56			56
10	73	64	58	55	72	64	58	55	63	58	54	62	58	54	61	57	54	53			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	277575
5°	275961
10°	268281
15°	250999
20°	223879
25°	178177
30°	124310
35°	66675
40°	32396
45°	15141
50°	7752
55°	5333
60°	5328
65°	5370
70°	5626
75°	5909
80°	6535
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15141 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	11.8
10°-20°	136.7	30.8
20°-30°	147.7	33.3
30°-40°	73.5	16.6
40°-50°	18.9	4.3
50°-60°	6.0	1.4
60°-70°	4.4	1.0
70°-80°	3.1	0.7
80°-90°	1.2	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°	336.9	75.9
0°-40°	410.4	92.4
0°-60°	435.3	98.1
0°-90°	444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	444.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	563	
5°	557	52
15°	491	137
25°	327	148
35°	111	74
45°	22	19
55°	6	6
65°	5	4
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	562.6
2.5°	561.8
5°	557.2
7.5°	548.6
10°	535.5
12.5°	515.4
15°	491.4
17.5°	462.8
20°	426.4
22.5°	380.0
25°	327.3
27.5°	271.6
30°	218.2
32.5°	163.3
35°	110.7
37.5°	73.5
40°	50.3
42.5°	34.0
45°	21.7
47.5°	13.9
50°	10.1
52.5°	7.7
55°	6.2
57.5°	5.4
60°	5.4
62.5°	4.6
65°	4.6
67.5°	3.9
70°	3.9
72.5°	3.1
75°	3.1
77.5°	2.3
80°	2.3
82.5°	1.5
85°	0.8
87.5°	0.8
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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