

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P643416

Luminaire Tested: ML5615LSVWFL9FS1E - 592H - 900LM - 2700K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-95)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML5615LSVWFL9FS1E - 592H - 900LM - 2700K  
Description: ML56 RR, MILKY OPTIC, 5" HAZE TRIM  
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

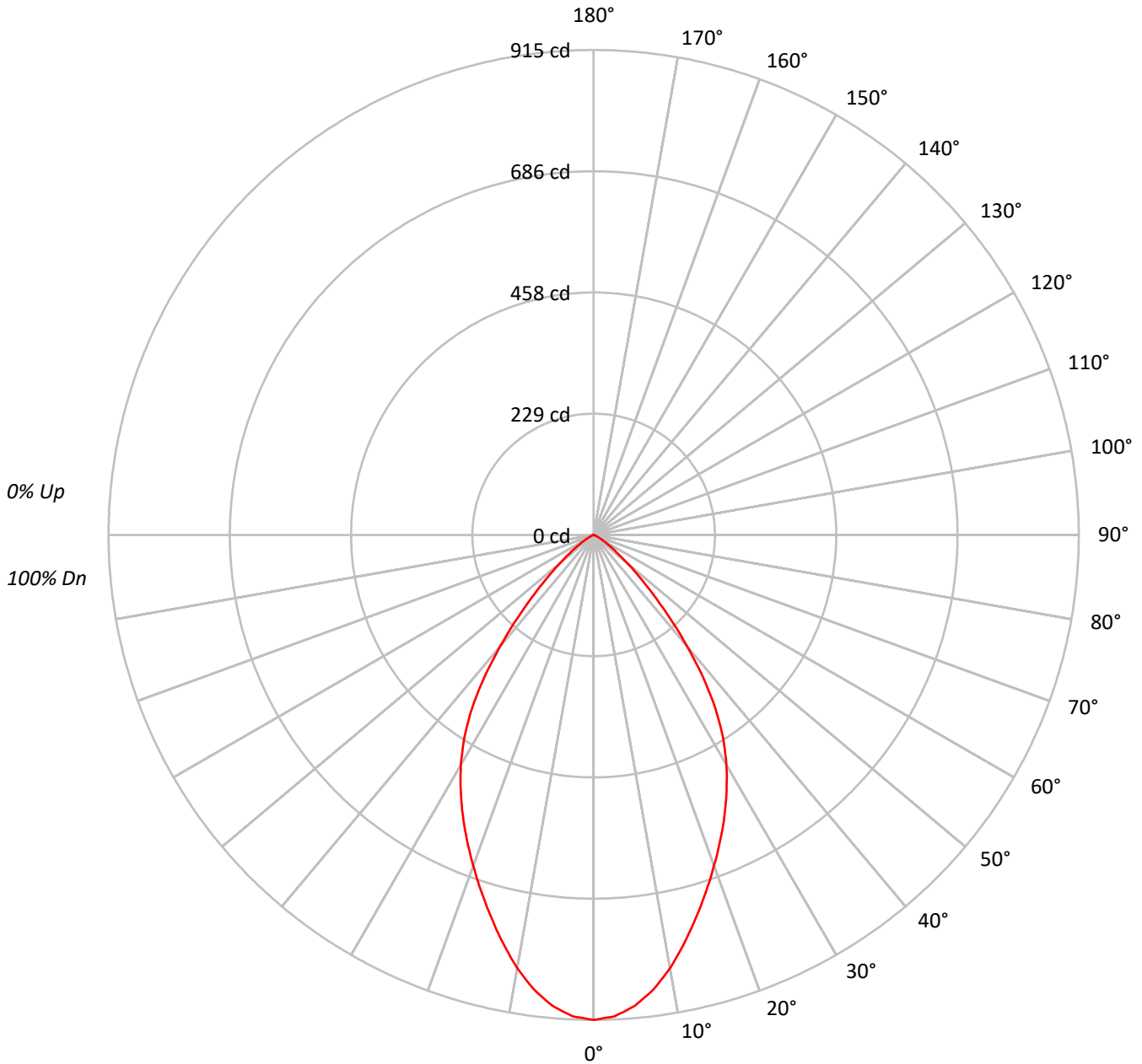
Lumens per Lamp: N/A  
Luminaire Lumens: 980.4 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.97  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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				100															
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				92															
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				84															
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				77															
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71				71															
5	89	80	73	68	87	79	73	68	77	72	68	75	71	67	74	70	66	65				65															
6	84	74	67	63	82	73	67	62	72	66	62	70	65	62	69	64	61	60				60															
7	79	69	62	58	78	68	62	57	67	61	57	66	61	57	64	60	56	55				55															
8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51				51															
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47				47															
10	67	56	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44				44															

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	72231
5°	70684
10°	66532
15°	61049
20°	55781
25°	50867
30°	45668
35°	38644
40°	28236
45°	17639
50°	10070
55°	5505
60°	2842
65°	1308
70°	692
75°	305
80°	455
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17639 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.2	8.5
10°-20°	209.3	21.4
20°-30°	267.8	27.3
30°-40°	245.6	25.0
40°-50°	126.3	12.9
50°-60°	38.5	3.9
60°-70°	8.0	0.8
70°-80°	1.6	0.2
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°	560.3	57.2
0°-40°	805.9	82.2
0°-60°	970.7	99.0
0°-90°	980.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	980.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	915	
5°	892	83
15°	747	209
25°	584	268
35°	401	246
45°	158	126
55°	40	38
65°	7	8
75°	1	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	915
2.5°	909
5°	892
7.5°	865
10°	830
12.5°	789
15°	747
17.5°	705
20°	664
22.5°	624
25°	584
27.5°	543
30°	501
32.5°	454
35°	401
37.5°	339
40°	274
42.5°	212
45°	158
47.5°	115
50°	82
52.5°	57
55°	40
57.5°	27
60°	18
62.5°	11
65°	7
67.5°	4
70°	3
72.5°	2
75°	1
77.5°	1
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)