

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: P642806

Luminaire Tested: ML5615LSNFL259FS1E - 593WB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 593WB - 1200LM - 2700K
Description: ML56 RR, 25D TIR OPTIC, 5" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

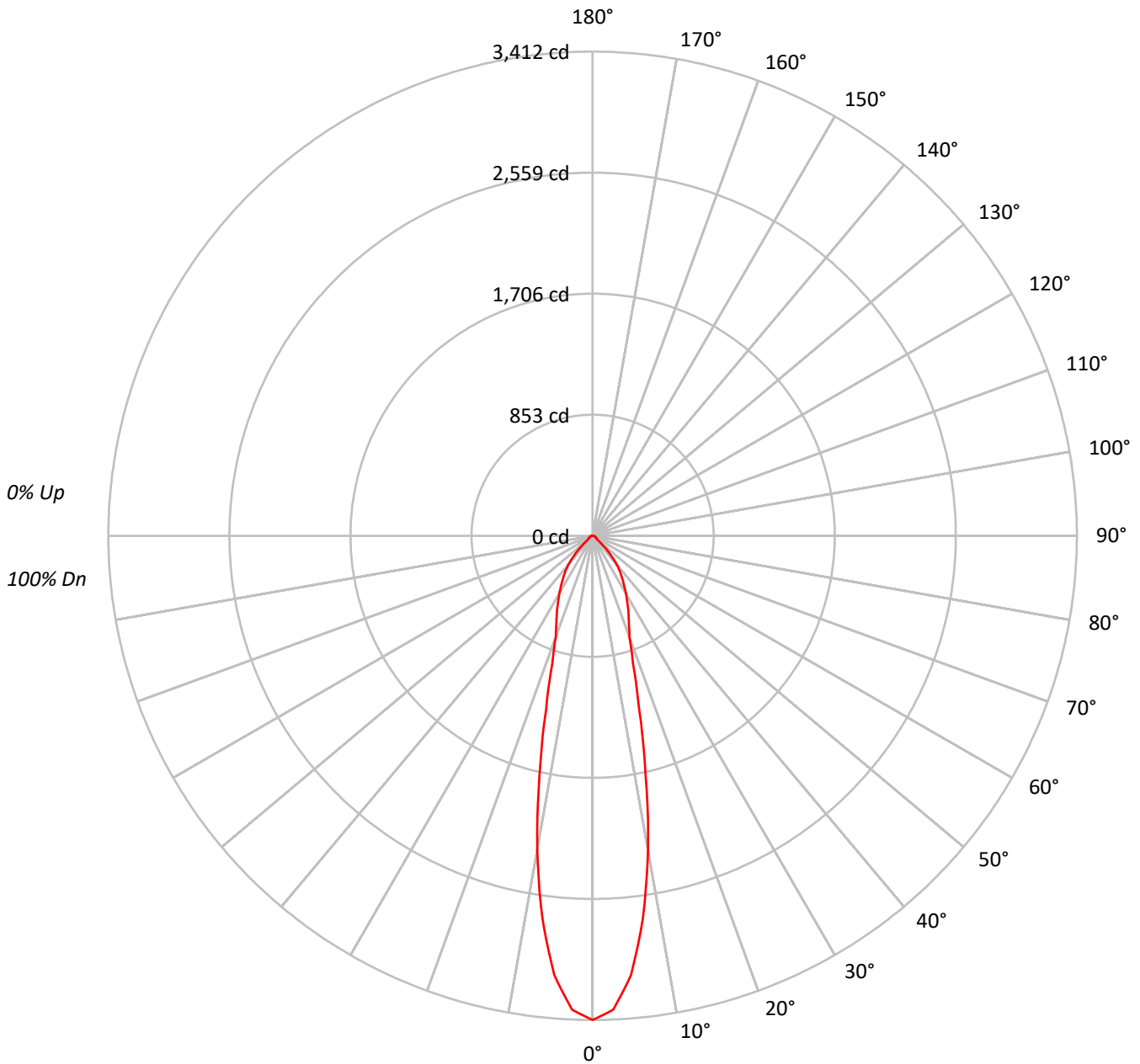
Lumens per Lamp: N/A
Luminaire Lumens: 1320.4 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
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	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	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93				93															
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86				86															
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	81				81															
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75				75															
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71				71															
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67				67															
7	85	76	70	66	83	75	69	66	74	69	65	72	68	65	71	67	64	63				63															
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60				60															
9	78	68	63	59	77	68	62	59	67	62	59	66	62	58	65	61	58	57				57															
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	58	56	54				54															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	269346
5°	246103
10°	180269
15°	103432
20°	63787
25°	51921
30°	42687
35°	34760
40°	27391
45°	16813
50°	6214
55°	4707
60°	4389
65°	4016
70°	4085
75°	4240
80°	4046
85°	4619

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16813 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.4	20.3
10°-20°	363.6	27.5
20°-30°	274.4	20.8
30°-40°	225.9	17.1
40°-50°	115.0	8.7
50°-60°	32.2	2.4
60°-70°	21.9	1.7
70°-80°	14.2	1.1
80°-90°	4.7	0.4
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°	906.5	68.7
0°-40°	1132.4	85.8
0°-60°	1279.6	96.9
0°-90°	1320.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1320.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3412	
5°	3106	268
15°	1266	364
25°	596	274
35°	361	226
45°	151	115
55°	34	32
65°	22	22
75°	14	14
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3412.0
2.5°	3342.4
5°	3105.7
7.5°	2717.2
10°	2248.9
12.5°	1728.8
15°	1265.6
17.5°	942.9
20°	759.3
22.5°	665.7
25°	596.1
27.5°	529.0
30°	468.3
32.5°	411.3
35°	360.7
37.5°	315.1
40°	265.8
42.5°	205.0
45°	150.6
47.5°	92.4
50°	50.6
52.5°	39.2
55°	34.2
57.5°	31.6
60°	27.8
62.5°	25.3
65°	21.5
67.5°	19.0
70°	17.7
72.5°	15.2
75°	13.9
77.5°	11.4
80°	8.9
82.5°	6.3
85°	5.1
87.5°	1.3
90°	0.0

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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)