

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: P643276

Luminaire Tested: ML5615LSVWFL759FS1E - 692W - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-85)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 692W - 1500LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

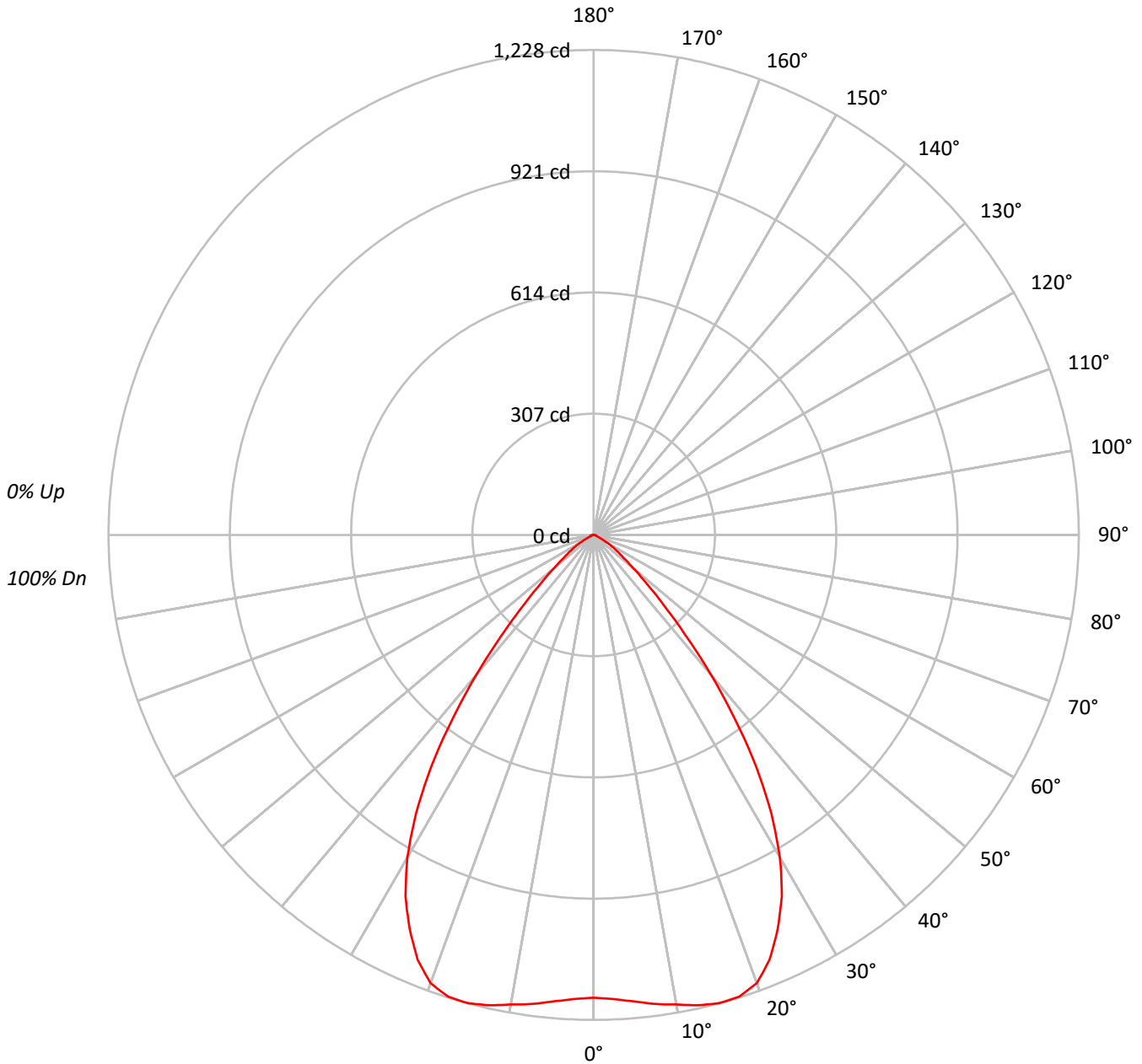
Lumens per Lamp: N/A
Luminaire Lumens: 1701.1 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 17.1
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									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	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	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92											92																	
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84											84																	
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76											76																	
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70											70																	
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64											64																	
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	58											58																	
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54											54																	
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50											50																	
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46											46																	
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43											43																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64233
5°	65249
10°	67217
15°	69677
20°	70444
25°	66633
30°	59686
35°	48004
40°	32962
45°	19304
50°	11147
55°	7140
60°	4265
65°	2024
70°	1250
75°	1313
80°	979
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19304 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.9	6.7
10°-20°	346.0	20.3
20°-30°	502.4	29.5
30°-40°	440.5	25.9
40°-50°	203.5	12.0
50°-60°	69.2	4.1
60°-70°	17.6	1.0
70°-80°	6.4	0.4
80°-90°	1.7	0.1
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°	962.3	56.6
0°-40°	1402.7	82.5
0°-60°	1675.5	98.5
0°-90°	1701.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1701.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1172	
5°	1186	114
15°	1228	346
25°	1102	502
35°	717	440
45°	249	203
55°	75	69
65°	16	18
75°	6	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1171.7
2.5°	1176.3
5°	1185.7
7.5°	1198.1
10°	1207.5
12.5°	1219.9
15°	1227.7
17.5°	1226.1
20°	1207.5
22.5°	1163.9
25°	1101.6
27.5°	1031.6
30°	942.9
32.5°	837.1
35°	717.3
37.5°	586.6
40°	460.6
42.5°	343.9
45°	249.0
47.5°	180.5
50°	130.7
52.5°	96.5
55°	74.7
57.5°	56.0
60°	38.9
62.5°	23.3
65°	15.6
67.5°	9.3
70°	7.8
72.5°	7.8
75°	6.2
77.5°	4.7
80°	3.1
82.5°	3.1
85°	1.6
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)