

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: P677542

Luminaire Tested: ML4DM08LSFL95FS1E-TL40R2GMW-5000K

Issue Date: 4/25/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P677542  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2304-979-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 4/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML4DM08LSFL95FS1E-TL40R2GMW-5000K  
Description: DIRECT MOUNT, CONICAL LENS TRIM  
Light Source: (1) SELECTABLE LUMEN LED 95CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

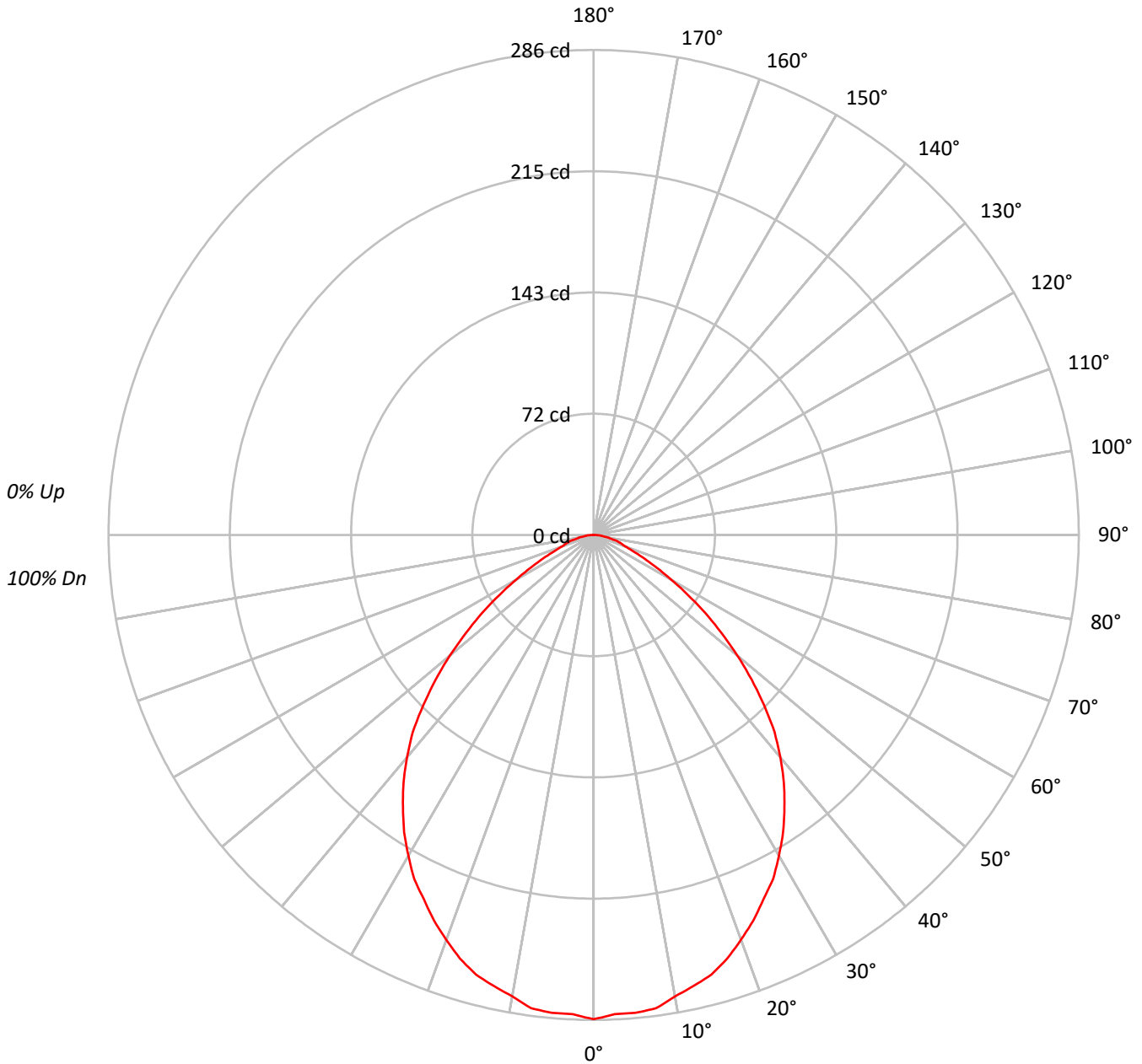
Lumens per Lamp: N/A  
Luminaire Lumens: 567.0 lumens  
Efficiency: N/A  
Efficacy: 55.0 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.23  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.3  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77		
3	95	86	79	73	92	84	78	73	81	76	71	79	74	70	76	72	69	67		
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	76	64	56	50	74	63	55	50	61	54	49	59	53	49	58	53	48	47		
7	70	58	50	45	69	57	50	45	56	49	44	55	48	44	53	48	44	42		
8	66	53	46	40	64	53	45	40	52	45	40	50	44	40	49	44	40	38		
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34		
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31		

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

	0°
0°	35228
5°	35028
10°	34606
15°	34274
20°	33340
25°	32241
30°	31106
35°	29528
40°	27550
45°	24788
50°	21204
55°	17268
60°	12976
65°	9602
70°	7105
75°	6910
80°	5612
85°	5519

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 24788 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.8	4.7
10°-20°	75.4	13.3
20°-30°	109.2	19.3
30°-40°	122.4	21.6
40°-50°	109.1	19.2
50°-60°	71.8	12.7
60°-70°	33.6	5.9
70°-80°	14.7	2.6
80°-90°	3.9	0.7
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°	211.4	37.3
0°-40°	333.8	58.9
0°-60°	514.8	90.8
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	286	
5°	283	27
15°	268	75
25°	237	109
35°	196	122
45°	142	109
55°	80	72
65°	33	34
75°	14	15
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	285.6
2.5°	282.9
5°	282.9
7.5°	281.6
10°	276.3
12.5°	272.4
15°	268.4
17.5°	261.9
20°	254.0
22.5°	246.1
25°	236.9
27.5°	229.0
30°	218.4
32.5°	207.9
35°	196.1
37.5°	184.2
40°	171.1
42.5°	157.9
45°	142.1
47.5°	126.3
50°	110.5
52.5°	94.7
55°	80.3
57.5°	65.8
60°	52.6
62.5°	42.1
65°	32.9
67.5°	25.0
70°	19.7
72.5°	17.1
75°	14.5
77.5°	10.5
80°	7.9
82.5°	5.3
85°	3.9
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)