

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: P845438

Luminaire Tested: L80815NF930MB

Issue Date: 6/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P845438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-2)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: L80815NF930MB  
Description: HALO TRACK, 3000K, WITH 24D OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

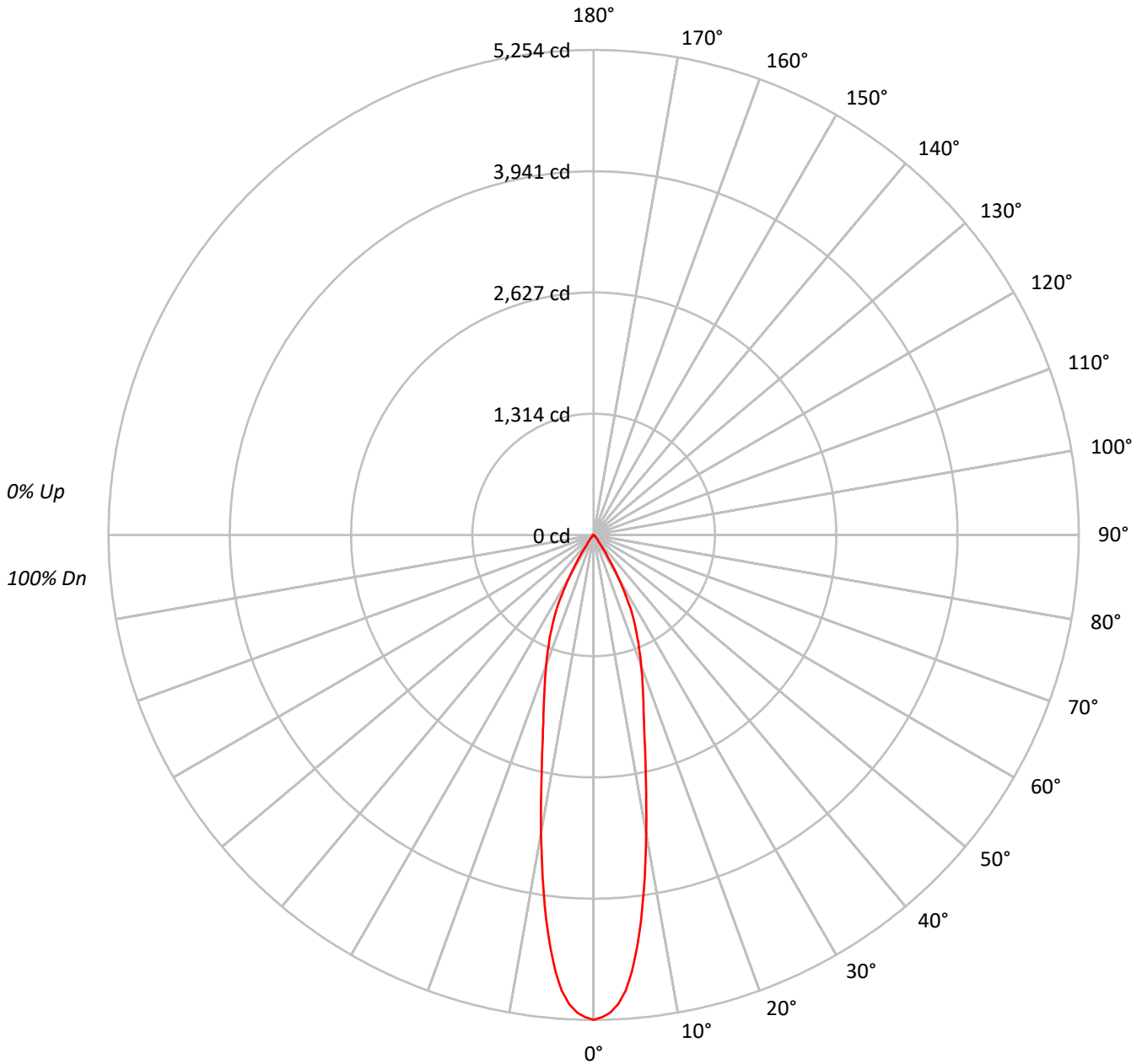
Lumens per Lamp: N/A  
Luminaire Lumens: 1616.0 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.5  
Luminous Opening: Circular (Dia: 0.21' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.2  
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	115	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96				96															
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91				91															
3	106	101	97	93	104	99	96	93	97	94	91	95	92	90	92	90	89	87				87															
4	102	96	91	88	100	95	91	87	93	89	86	91	88	86	89	87	85	83				83															
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	80				80															
6	95	88	83	79	93	87	82	79	85	81	79	84	81	78	83	80	78	76				76															
7	91	84	79	76	90	83	79	76	82	78	75	81	77	75	80	77	74	73				73															
8	88	81	76	73	87	80	76	72	79	75	72	78	74	72	77	74	72	70				70															
9	85	77	73	70	84	77	73	69	76	72	69	75	72	69	75	71	69	68				68															
10	82	75	70	67	82	74	70	67	74	69	67	73	69	67	72	69	66	65				65															

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

	0°
0°	1659030
5°	1504663
10°	1052329
15°	689768
20°	505726
25°	363390
30°	191422
35°	52425
40°	23083
45°	11164
50°	5404
55°	2753
60°	1895
65°	1494
70°	923
75°	1220
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11164 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	403.2	25.0
10°-20°	600.4	37.2
20°-30°	462.0	28.6
30°-40°	121.1	7.5
40°-50°	21.3	1.3
50°-60°	5.1	0.3
60°-70°	2.0	0.1
70°-80°	0.9	0.1
80°-90°	0.0	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°	1465.6	90.7
0°-40°	1586.7	98.2
0°-60°	1613.1	99.8
0°-90°	1616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1616.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5254	
5°	4747	403
15°	2110	600
25°	1043	462
35°	136	121
45°	25	21
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5254
1°	5225
2°	5178
3°	5089
4°	4950
5°	4747
6°	4494
7°	4209
8°	3897
9°	3585
10°	3282
11°	2989
12°	2724
13°	2486
14°	2282
15°	2110
16°	1961
17°	1832
18°	1718
19°	1610
20°	1505
21°	1404
22°	1308
23°	1219
24°	1126
25°	1043
26°	949
27°	850
28°	732
29°	632
30°	525
32.5°	299
35°	136
37.5°	81
40°	56
42.5°	37
45°	25
47.5°	17
50°	11
52.5°	7
55°	5
57.5°	4
60°	3



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**CANDELA DISTRIBUTION (continued):**

	0°
67.5°	2
70°	1
72.5°	1
75°	1
77.5°	1
80°	0
82.5°	0
85°	0
87.5°	0
90°	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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Scaled Data Report



62.5°		2
65°		2

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Scaled Data Report



(END OF REPORT)