

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: P845441

Luminaire Tested: L80819NF930MB

Issue Date: 6/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P845441
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: L80819NF930MB
Description: HALO TRACK, 3000K, WITH 24D OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

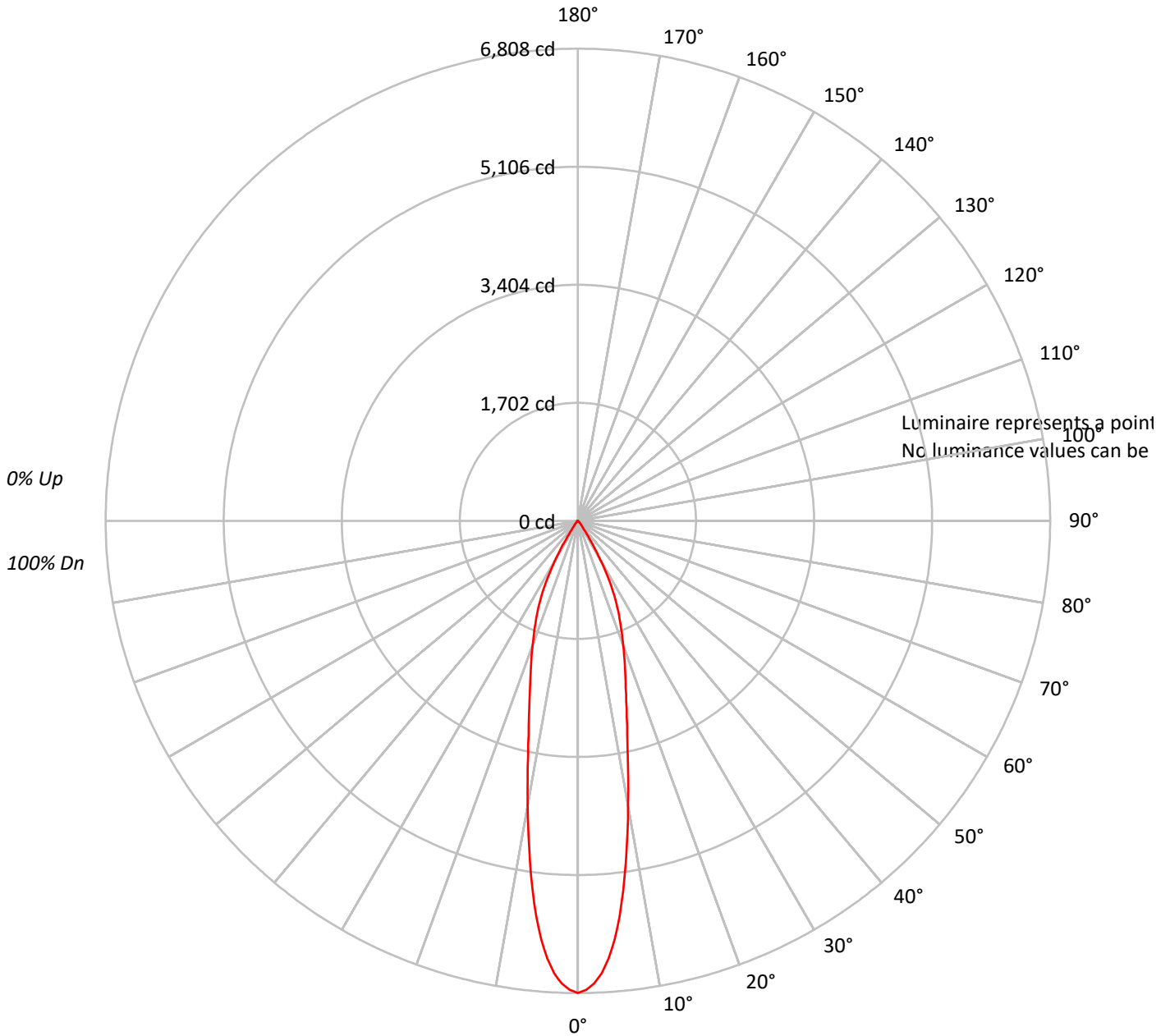
Lumens per Lamp: N/A
Luminaire Lumens: 2040.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 0.41 / 0.41 / 0.49
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

Input Watts (W): 15.4
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



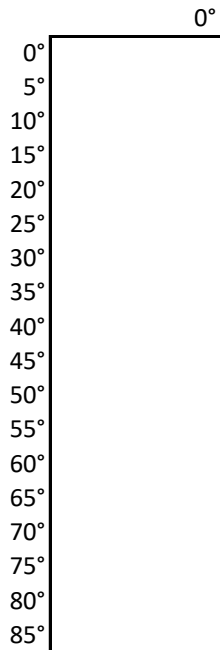


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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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																			
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96																			
2	110	106	103	100	108	105	102	99	101	99	97	98	97	95	96	94	93	91																			
3	106	101	97	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87																			
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83																			
5	98	92	87	84	97	91	86	83	89	85	83	88	84	82	86	83	81	80																			
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77																			
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74																			
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71																			
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68																			
10	83	75	70	67	82	75	70	67	74	70	67	73	69	67	73	69	67	66																			

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.8	25.2
10°-20°	764.3	37.5
20°-30°	582.7	28.6
30°-40°	143.3	7.0
40°-50°	25.2	1.2
50°-60°	6.0	0.3
60°-70°	2.6	0.1
70°-80°	1.1	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°	1861.8	91.3
0°-40°	2005.2	98.3
0°-60°	2036.4	99.8
0°-90°	2040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6808	
5°	6063	515
15°	2693	764
25°	1313	583
35°	162	143
45°	29	25
55°	6	6
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6808.1
1°	6764.1
2°	6676.1
3°	6531.1
4°	6326.2
5°	6063.2
6°	5738.2
7°	5366.3
8°	4964.3
9°	4561.4
10°	4167.4
11°	3801.5
12°	3455.5
13°	3160.6
14°	2911.6
15°	2692.6
16°	2501.7
17°	2338.7
18°	2186.7
19°	2046.7
20°	1911.7
21°	1783.8
22°	1657.8
23°	1541.8
24°	1426.8
25°	1312.8
26°	1195.8
27°	1063.9
28°	923.9
29°	783.9
30°	651.9
31°	526.9
32°	413.9
33°	312.0
34°	228.0
35°	162.0
36°	124.0
37°	104.0
38°	90.0
39°	77.0
40°	67.0
42.5°	44.0
45°	29.0



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CANDELA DISTRIBUTION (continued):

	0°
52.5°	9.0
55°	6.0
57.5°	4.0
60°	3.0
62.5°	3.0
65°	3.0
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
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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47.5°		20.0
50°		13.0

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(END OF REPORT)