

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: P845444

Luminaire Tested: L80825NF930MB

Issue Date: 6/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P845444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: L80825NF930MB
Description: HALO TRACK, 3000K, WITH 24D OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

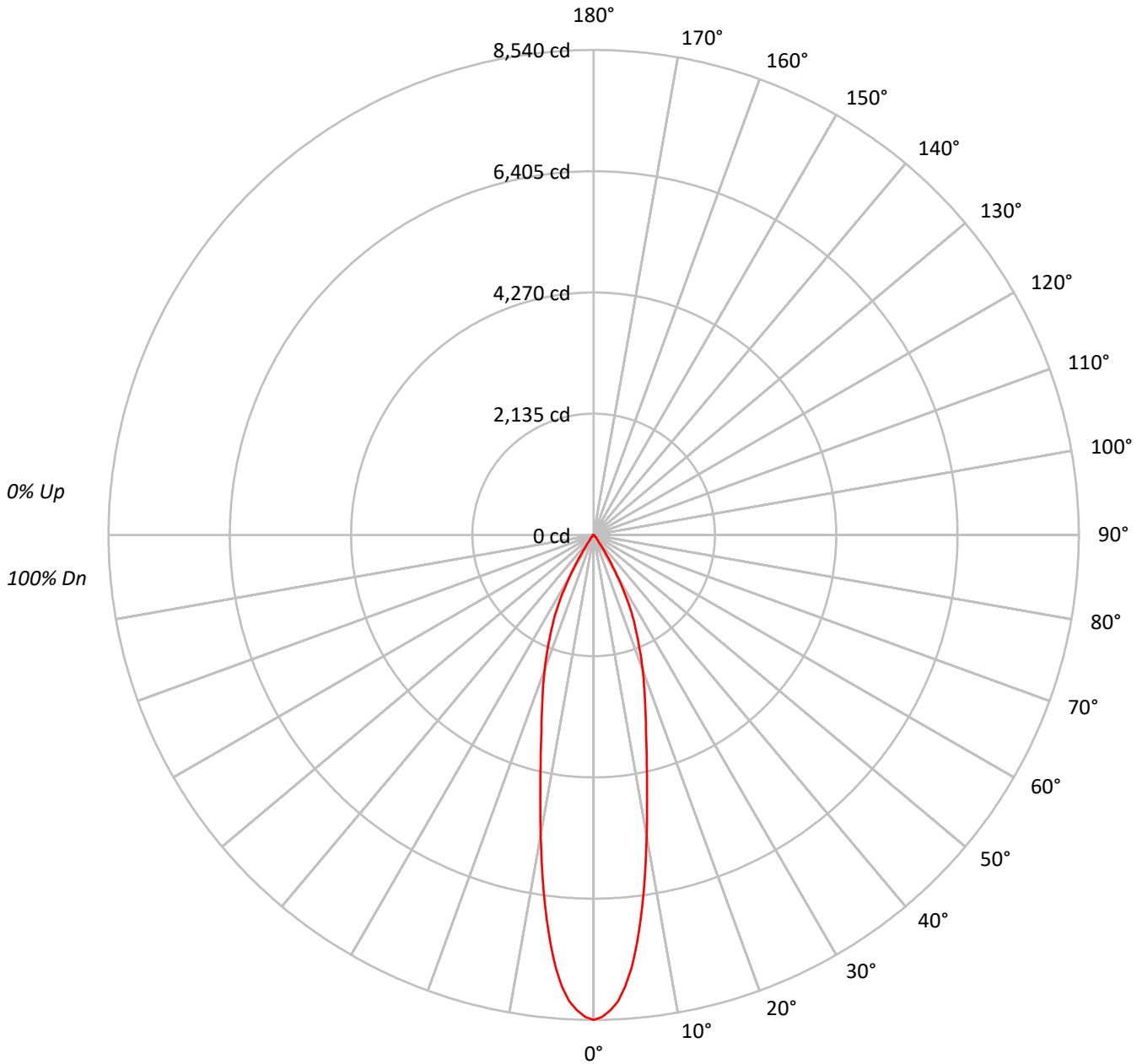
Lumens per Lamp: N/A
Luminaire Lumens: 2632.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.51
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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									
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	107	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	94	104	99	96	93	97	94	91	95	92	90	92	90	89	87			87																
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83			83																
5	98	92	87	84	97	91	86	83	89	85	83	88	84	82	86	83	81	80			80																
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77			77																
7	91	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	74			74																
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71			71																
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68			68																
10	83	75	70	67	82	75	70	67	74	70	67	73	69	67	72	69	67	66			66																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2696729
5°	2425211
10°	1721433
15°	1163289
20°	846931
25°	584385
30°	298291
35°	79794
40°	34213
45°	16969
50°	9334
55°	4404
60°	3158
65°	2241
70°	1846
75°	1220
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16969 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.2	24.8
10°-20°	1004.7	38.2
20°-30°	747.4	28.4
30°-40°	181.3	6.9
40°-50°	32.6	1.2
50°-60°	8.4	0.3
60°-70°	3.3	0.1
70°-80°	1.1	0.0
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°	2405.3	91.4
0°-40°	2586.5	98.3
0°-60°	2627.6	99.8
0°-90°	2632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2632.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8540	
5°	7651	653
15°	3558	1005
25°	1677	747
35°	207	181
45°	38	33
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8540.3
1°	8487.3
2°	8377.3
3°	8222.2
4°	7976.2
5°	7651.2
6°	7250.1
7°	6803.0
8°	6331.0
9°	5843.9
10°	5368.8
11°	4912.7
12°	4511.7
13°	4151.6
14°	3834.6
15°	3558.5
16°	3314.5
17°	3096.5
18°	2896.4
19°	2703.4
20°	2520.4
21°	2335.4
22°	2157.3
23°	1988.3
24°	1823.3
25°	1677.3
26°	1521.2
27°	1345.2
28°	1164.2
29°	983.1
30°	818.1
31°	664.1
32°	525.1
33°	399.1
34°	292.0
35°	207.0
36°	153.0
37°	131.0
38°	113.0
39°	97.0
40°	83.0
42.5°	56.0
45°	38.0



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CANDELA DISTRIBUTION (continued):

	0°
52.5°	12.0
55°	8.0
57.5°	6.0
60°	5.0
62.5°	4.0
65°	3.0
67.5°	3.0
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°		27.0
50°		19.0

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(END OF REPORT)