

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: P845442

Luminaire Tested: L80825ECPKFL930MB

Issue Date: 6/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P845442  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: L80825ECPKFL930MB  
Description: HALO TRACK, 3000K, WITH 32D OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

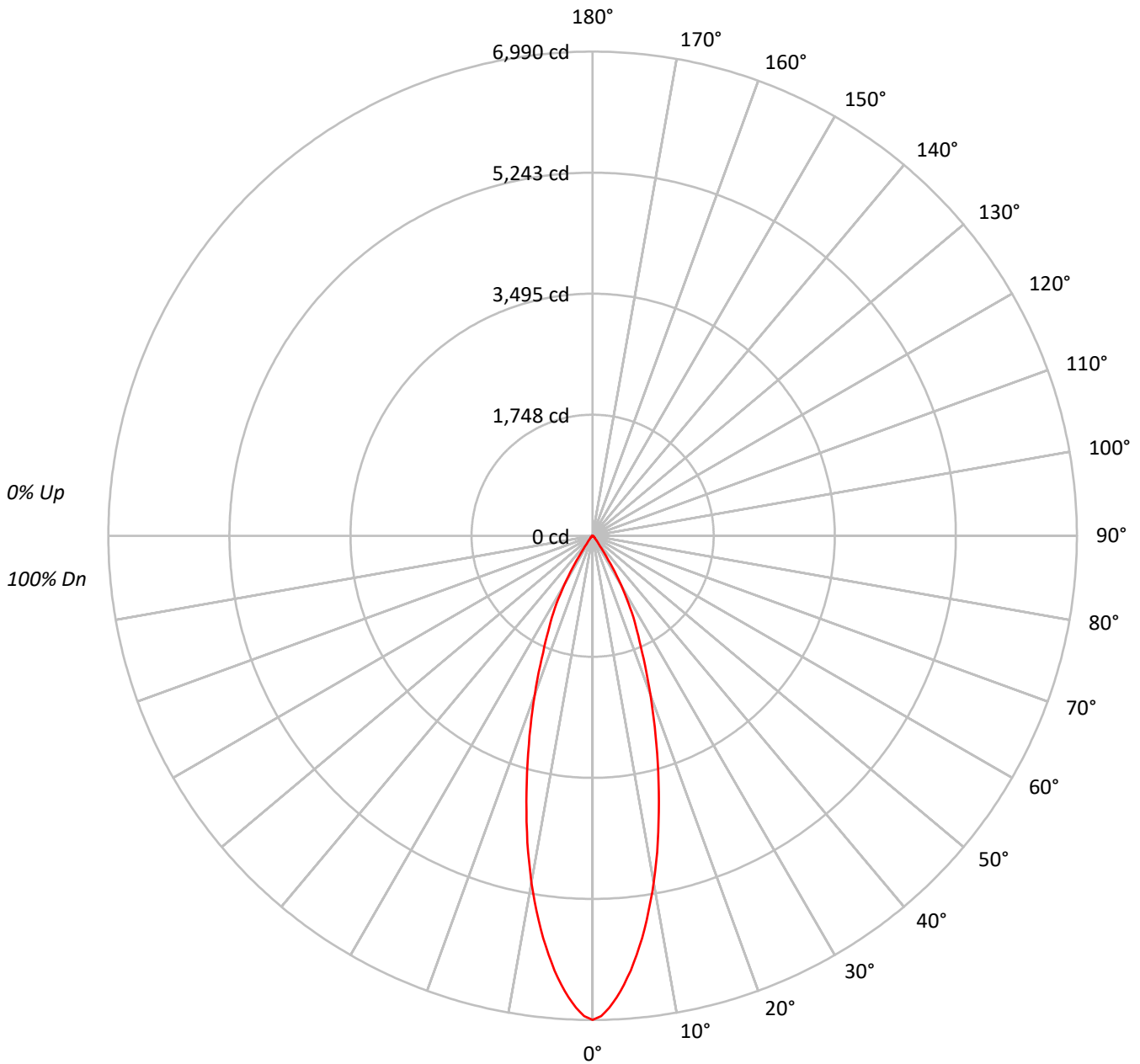
Lumens per Lamp: N/A  
Luminaire Lumens: 2518.0 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.55  
Luminous Opening: Circular (Dia: 0.21' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.6  
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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			95																
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91			91																
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87			87																
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83			83																
5	98	91	86	83	96	90	86	82	88	85	82	87	84	81	85	83	80	79			79																
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76			76																
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72			72																
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	77	73	71	70			70																
9	85	77	72	69	84	76	72	69	75	71	68	75	71	68	74	70	68	67			67																
10	82	74	69	66	81	73	69	66	73	69	66	72	68	66	71	68	65	64			64																

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

	0°
0°	2207072
5°	1997141
10°	1629474
15°	1202452
20°	819074
25°	527386
30°	298182
35°	85191
40°	33388
45°	19649
50°	13264
55°	9359
60°	6947
65°	4483
70°	3693
75°	2440
80°	1818
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19649 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	562.1	22.3
10°-20°	1010.2	40.1
20°-30°	699.0	27.8
30°-40°	185.6	7.4
40°-50°	36.2	1.4
50°-60°	16.0	0.6
60°-70°	6.5	0.3
70°-80°	2.2	0.1
80°-90°	0.1	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°	2271.3	90.2
0°-40°	2456.9	97.6
0°-60°	2509.1	99.6
0°-90°	2518.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2518.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6990	
5°	6301	562
15°	3678	1010
25°	1514	699
35°	221	186
45°	44	36
55°	17	16
65°	6	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6989.6
1°	6935.6
2°	6819.6
3°	6673.7
4°	6497.7
5°	6300.7
6°	6081.8
7°	5852.8
8°	5603.9
9°	5345.9
10°	5082.0
11°	4804.0
12°	4525.1
13°	4237.2
14°	3954.2
15°	3678.3
16°	3405.3
17°	3149.4
18°	2900.4
19°	2664.5
20°	2437.5
21°	2225.6
22°	2018.6
23°	1828.6
24°	1662.7
25°	1513.7
26°	1390.7
27°	1246.8
28°	1109.8
29°	959.8
30°	817.8
31°	677.9
32°	544.9
33°	420.9
34°	309.9
35°	221.0
36°	155.0
37°	125.0
38°	109.0
39°	93.0
40°	81.0
42.5°	58.0
45°	44.0



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**CANDELA DISTRIBUTION (continued):**

	0°
52.5°	22.0
55°	17.0
57.5°	14.0
60°	11.0
62.5°	8.0
65°	6.0
67.5°	5.0
70°	4.0
72.5°	3.0
75°	2.0
77.5°	1.0
80°	1.0
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



Signify Classified - Internal  
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Scaled Data Report





— 0°-180°

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47.5°		34.0
50°		27.0

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Scaled Data Report



(END OF REPORT)