

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: P845439

Luminaire Tested: L80819ECPKFL930MB

Issue Date: 6/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P845439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: L80819ECPKFL930MB
Description: HALO TRACK, 3000K, WITH 32D OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

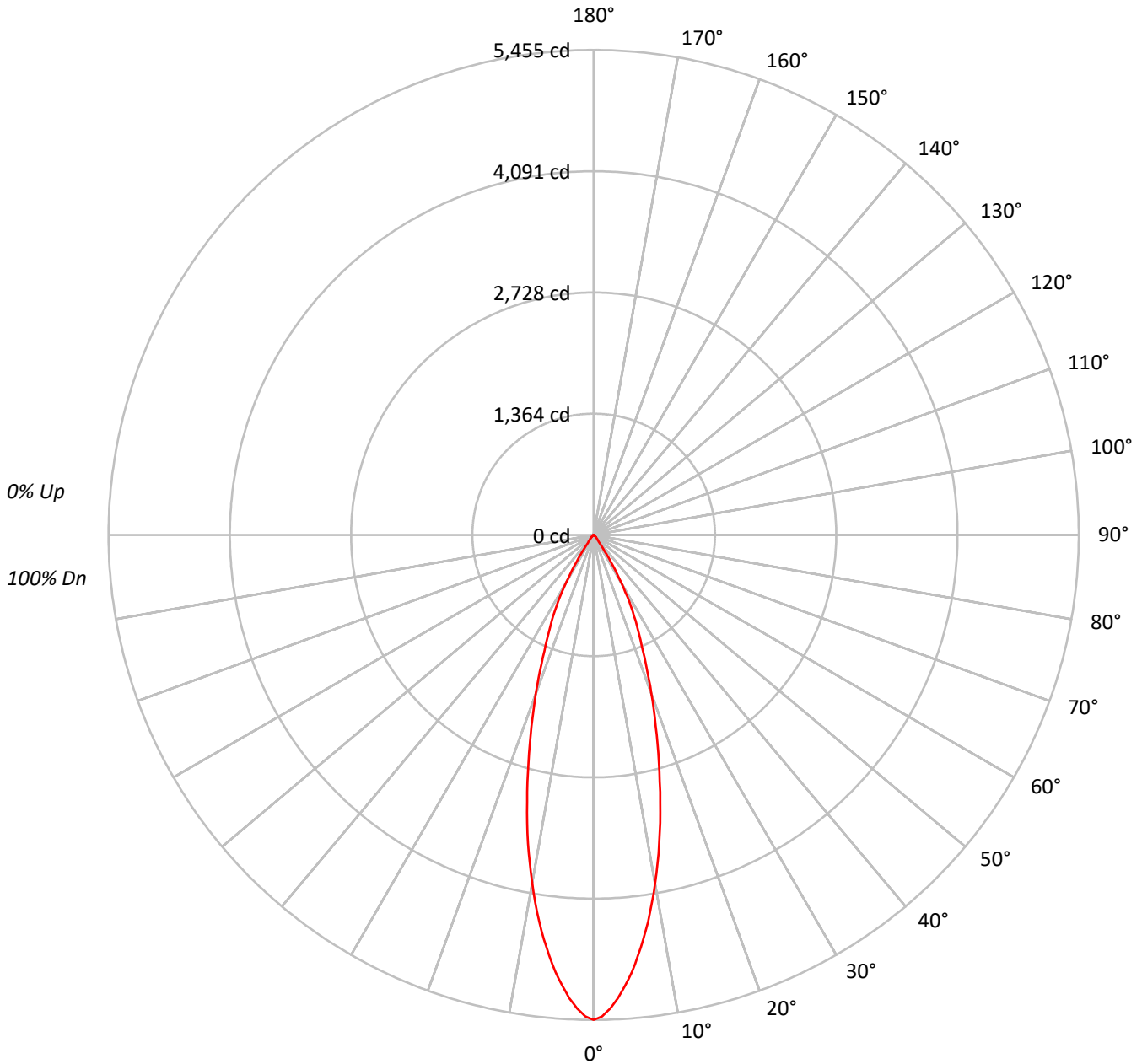
Lumens per Lamp: N/A
Luminaire Lumens: 1958.0 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.55
Luminous Opening: Circular (Dia: 0.04' x H: 0')
CIE Type: Direct

Input Watts (W): 15.4
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																			
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95																			
2	110	106	102	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91																			
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87																			
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83																			
5	98	91	86	83	96	90	86	82	89	85	82	87	84	81	85	83	80	79																			
6	94	87	82	79	93	86	82	78	85	81	78	84	80	77	82	79	77	76																			
7	91	83	78	75	90	83	78	75	82	77	74	80	77	74	79	76	74	73																			
8	88	80	75	72	87	79	75	72	78	74	71	78	74	71	77	73	71	70																			
9	85	77	72	69	84	76	72	69	76	71	68	75	71	68	74	71	68	67																			
10	82	74	69	66	81	74	69	66	73	69	66	72	68	66	71	68	66	64																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43063229
5°	39125401
10°	31902706
15°	23475355
20°	15944331
25°	10220362
30°	5676023
35°	1550556
40°	638901
45°	379568
50°	257898
55°	178915
60°	126304
65°	93394
70°	69241
75°	61000
80°	45460
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 379568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.2	22.5
10°-20°	789.4	40.3
20°-30°	541.4	27.6
30°-40°	139.3	7.1
40°-50°	28.1	1.4
50°-60°	12.3	0.6
60°-70°	5.3	0.3
70°-80°	1.8	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°	1771.0	90.4
0°-40°	1910.3	97.6
0°-60°	1950.7	99.6
0°-90°	1958.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1958.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5455	
5°	4938	440
15°	2872	789
25°	1173	541
35°	161	139
45°	34	28
55°	13	12
65°	5	5
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5455.2
1°	5416.2
2°	5329.3
3°	5218.3
4°	5081.4
5°	4937.5
6°	4760.6
7°	4584.7
8°	4395.7
9°	4188.9
10°	3980.0
11°	3764.1
12°	3548.2
13°	3323.3
14°	3096.4
15°	2872.5
16°	2659.6
17°	2454.7
18°	2258.8
19°	2072.9
20°	1898.0
21°	1727.1
22°	1568.2
23°	1418.3
24°	1292.3
25°	1173.4
26°	1075.4
27°	965.5
28°	854.6
29°	738.6
30°	622.7
31°	511.7
32°	408.8
33°	312.8
34°	227.9
35°	160.9
36°	116.9
37°	96.0
38°	83.0
39°	71.0
40°	62.0
42.5°	45.0
45°	34.0



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CANDELA DISTRIBUTION (continued):

	0°
52.5°	17.0
55°	13.0
57.5°	11.0
60°	8.0
62.5°	7.0
65°	5.0
67.5°	4.0
70°	3.0
72.5°	2.0
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

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— 0°-180°

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47.5°		27.0
50°		21.0

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(END OF REPORT)