

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: P845436

Luminaire Tested: L80815ECPKFL930MB

Issue Date: 6/13/2024

Test Information

Test Method: LM-79-2019
Report Number: P845436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: L80815ECPKFL930MB
Description: HALO TRACK, 3000K, WITH 32D OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

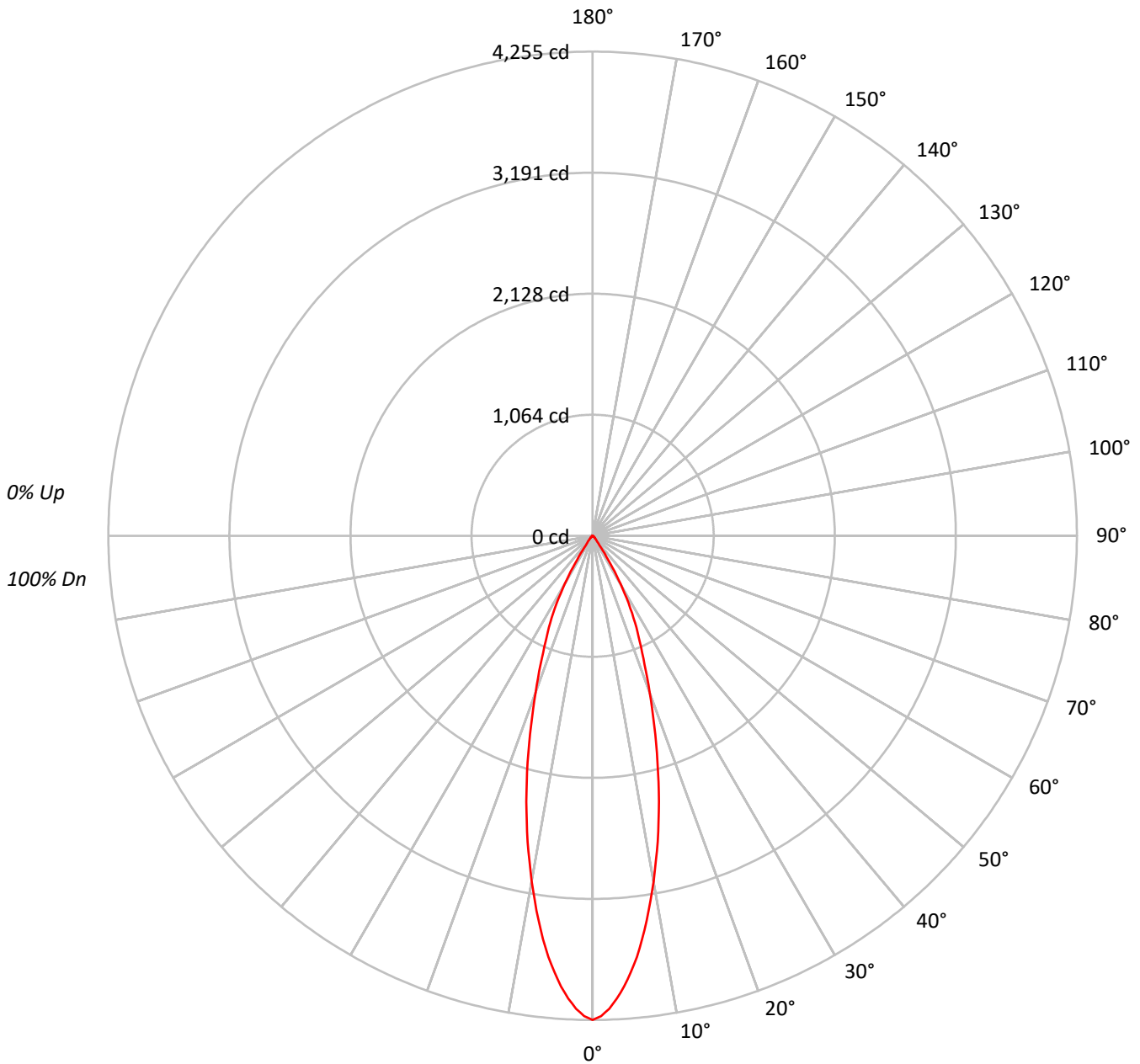
Lumens per Lamp: N/A
Luminaire Lumens: 1532.0 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.55
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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	98	101	99	96	98	96	94	95	94	92	91																			
3	106	100	96	93	104	99	95	92	96	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	88	85	82	87	83	81	85	83	80	79																			
6	94	87	82	79	93	86	82	78	85	81	78	83	80	77	82	79	77	76																			
7	91	83	78	75	90	83	78	75	81	77	74	80	77	74	79	76	74	72																			
8	88	80	75	72	86	79	75	71	78	74	71	77	74	71	76	73	71	69																			
9	84	77	72	69	84	76	72	68	75	71	68	75	71	68	74	70	68	67																			
10	82	74	69	66	81	73	69	66	73	68	66	72	68	65	71	68	65	64																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1343676
5°	1220403
10°	988586
15°	731317
20°	492318
25°	325448
30°	179755
35°	51654
40°	21435
45°	12504
50°	8351
55°	6056
60°	4421
65°	2989
70°	1846
75°	1220
80°	1818
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12504 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.7	22.4
10°-20°	612.4	40.0
20°-30°	424.7	27.7
30°-40°	113.0	7.4
40°-50°	23.2	1.5
50°-60°	10.2	0.7
60°-70°	4.1	0.3
70°-80°	1.4	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°	1379.9	90.1
0°-40°	1492.9	97.5
0°-60°	1526.3	99.6
0°-90°	1532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1532.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4255	
5°	3850	343
15°	2237	612
25°	934	425
35°	134	113
45°	28	23
55°	11	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4255.3
1°	4222.3
2°	4159.3
3°	4073.3
4°	3971.3
5°	3850.2
6°	3720.2
7°	3572.2
8°	3415.2
9°	3248.2
10°	3083.2
11°	2911.2
12°	2749.2
13°	2576.2
14°	2409.2
15°	2237.1
16°	2070.1
17°	1906.1
18°	1752.1
19°	1603.1
20°	1465.1
21°	1337.1
22°	1220.1
23°	1114.1
24°	1016.1
25°	934.1
26°	850.1
27°	763.0
28°	672.0
29°	580.0
30°	493.0
31°	407.0
32°	329.0
33°	251.0
34°	187.0
35°	134.0
36°	99.0
37°	81.0
38°	69.0
39°	60.0
40°	52.0
42.5°	37.0
45°	28.0



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CANDELA DISTRIBUTION (continued):

	0°
52.5°	14.0
55°	11.0
57.5°	9.0
60°	7.0
62.5°	5.0
65°	4.0
67.5°	3.0
70°	2.0
72.5°	2.0
75°	1.0
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°		22.0
50°		17.0

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(END OF REPORT)