

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: P845443

Luminaire Tested: L80825ECPKSP930MB

Issue Date: 6/13/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P845443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2404-355-7)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: L80825ECPKSP930MB  
Description: HALO TRACK, 3000K, WITH 17D OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

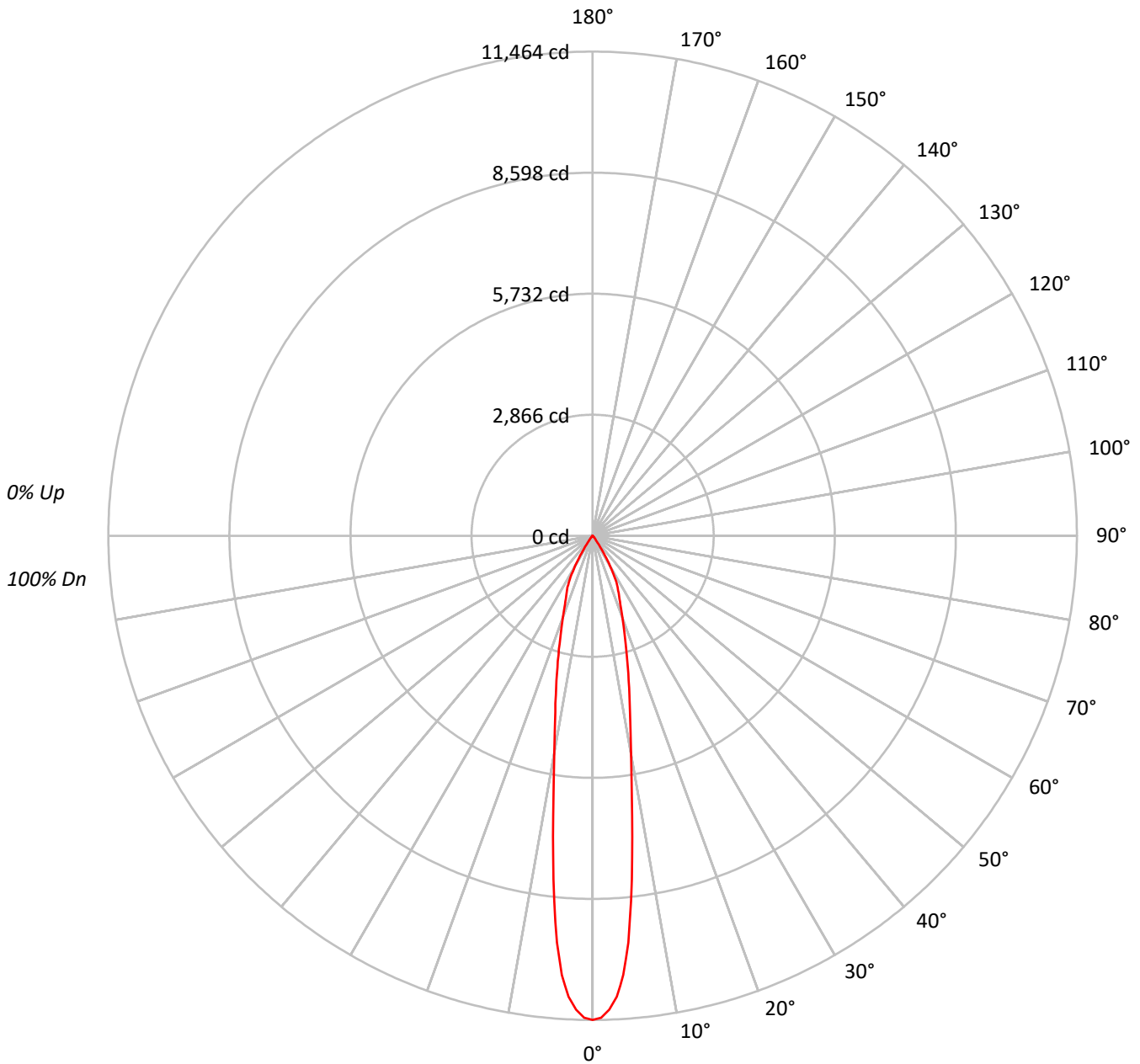
Lumens per Lamp: N/A  
Luminaire Lumens: 2534.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Spacing Criteria (0/90/45): 0.31 / 0.31 / 0.38  
Luminous Opening: Circular (Dia: 0.21' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.5  
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	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96				96															
2	110	107	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92				92															
3	106	101	97	94	105	100	97	94	98	95	92	95	93	91	93	91	89	88				88															
4	103	97	93	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84				84															
5	99	93	88	85	98	92	88	84	90	87	84	89	86	83	87	85	82	81				81															
6	96	89	84	81	95	88	84	81	87	83	80	86	82	80	84	81	79	78				78															
7	93	85	81	78	91	85	81	77	84	80	77	83	79	77	82	79	76	75				75															
8	90	82	78	75	89	82	78	74	81	77	74	80	76	74	79	76	74	73				73															
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70				70															
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68				68															

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

	0°
0°	3620027
5°	3065462
10°	1675197
15°	1053089
20°	692626
25°	500036
30°	302666
35°	88274
40°	31740
45°	9824
50°	4912
55°	3303
60°	3158
65°	3736
70°	1846
75°	1220
80°	1818
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9824 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	757.8	29.9
10°-20°	903.2	35.6
20°-30°	647.9	25.6
30°-40°	190.1	7.5
40°-50°	22.9	0.9
50°-60°	6.1	0.2
60°-70°	4.3	0.2
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°	2309.0	91.1
0°-40°	2499.1	98.6
0°-60°	2528.1	99.8
0°-90°	2534.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2534.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11464	
5°	9671	758
15°	3221	903
25°	1435	648
35°	229	190
45°	22	23
55°	6	6
65°	5	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11464.3
1°	11411.3
2°	11227.3
3°	10927.3
4°	10420.2
5°	9671.1
6°	8700.0
7°	7671.9
8°	6706.8
9°	5876.7
10°	5224.6
11°	4689.5
12°	4259.5
13°	3870.4
14°	3532.4
15°	3221.4
16°	2934.3
17°	2676.3
18°	2448.3
19°	2241.3
20°	2061.2
21°	1891.2
22°	1747.2
23°	1624.2
24°	1523.2
25°	1435.2
26°	1353.2
27°	1241.1
28°	1114.1
29°	971.1
30°	830.1
31°	684.1
32°	553.1
33°	428.0
34°	320.0
35°	229.0
36°	166.0
37°	135.0
38°	115.0
39°	95.0
40°	77.0
42.5°	42.0
45°	22.0



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**CANDELA DISTRIBUTION (continued):**

	0°
52.5°	8.0
55°	6.0
57.5°	6.0
60°	5.0
62.5°	5.0
65°	5.0
67.5°	4.0
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°		14.0
50°		10.0

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(END OF REPORT)