

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P285925

Luminaire Tested: **L81208SP9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-134-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L81208SP9030MB
Description: HALO, TRACK-MINI, 15D BEAM
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

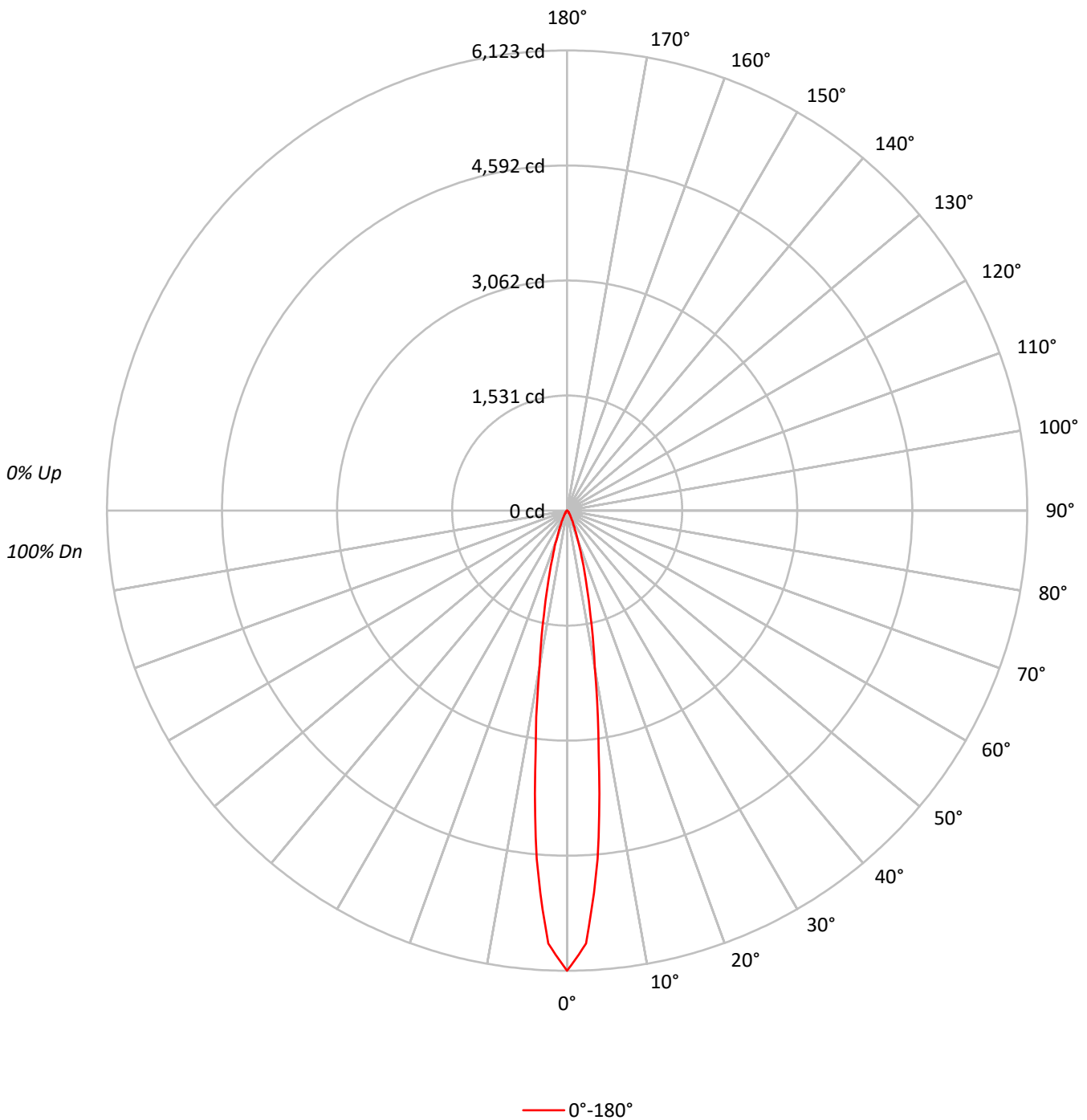
Lumens per Lamp: N/A
Luminaire Lumens: 794.3 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

Input Watts (W): 10.4
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: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	93	92	91
4	105	100	96	93	103	98	95	92	96	94	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	92	89	94	90	88		92	89	87		91	88	87	86
6	99	93	89	86	98	92	89	86	91	88	85		90	87	85		89	86	84	83
7	97	90	86	83	95	90	86	83	89	85	83		88	85	82		87	84	82	81
8	94	88	84	81	93	87	84	81	86	83	81		86	83	80		85	82	80	79
9	92	86	82	79	91	85	81	79	84	81	79		84	81	79		83	80	78	77
10	90	84	80	77	89	83	80	77	83	79	77		82	79	77		81	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2386904
5°	1821445
10°	837492
15°	384939
20°	173449
25°	80736
30°	42943
35°	25127
40°	16030
45°	11743
50°	8005
55°	5505
60°	3976
65°	2767
70°	2280
75°	1506
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.5	45.0
10°-20°	279.4	35.2
20°-30°	94.4	11.9
30°-40°	34.8	4.4
40°-50°	16.5	2.1
50°-60°	7.7	1.0
60°-70°	3.1	0.4
70°-80°	0.8	0.1
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°	731.4	92.1
0°-40°	766.2	96.5
0°-60°	790.4	99.5
0°-90°	794.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	794.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6123	
5°	4655	358
15°	954	279
25°	188	94
35°	53	35
45°	21	17
55°	8	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6122.9
2.5°	5765.7
5°	4654.6
7.5°	3214.7
10°	2115.7
12.5°	1425.7
15°	953.8
17.5°	633.2
20°	418.1
22.5°	277.0
25°	187.7
27.5°	130.9
30°	95.4
32.5°	71.0
35°	52.8
37.5°	39.6
40°	31.5
42.5°	25.4
45°	21.3
47.5°	17.3
50°	13.2
52.5°	11.2
55°	8.1
57.5°	6.1
60°	5.1
62.5°	4.1
65°	3.0
67.5°	2.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)