

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: P285926

Luminaire Tested: **L81208SP9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285926
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: L81208SP9035MB
Description: HALO, TRACK-MINI, 15D BEAM
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

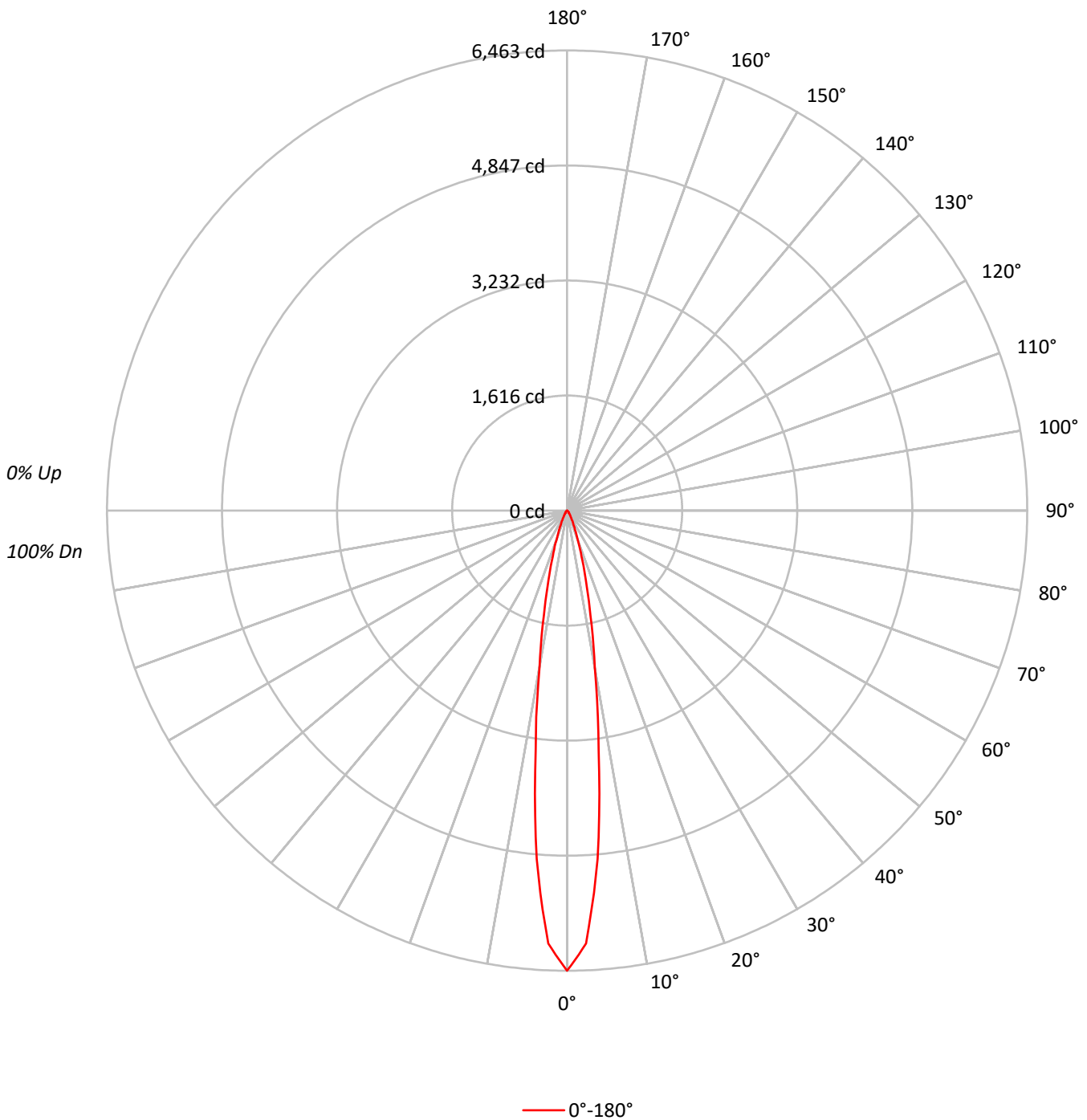
Lumens per Lamp: N/A
Luminaire Lumens: 838.4 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.27 / 0.27 / 0.29
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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°	2519408
5°	1922562
10°	884004
15°	406328
20°	183074
25°	85209
30°	45329
35°	26507
40°	16895
45°	12404
50°	8430
55°	5845
60°	4210
65°	2952
70°	2394
75°	1657
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.4	45.0
10°-20°	294.9	35.2
20°-30°	99.7	11.9
30°-40°	36.8	4.4
40°-50°	17.4	2.1
50°-60°	8.1	1.0
60°-70°	3.3	0.4
70°-80°	0.9	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°	772.0	92.1
0°-40°	808.8	96.5
0°-60°	834.3	99.5
0°-90°	838.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	838.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6463	
5°	4913	377
15°	1007	295
25°	198	100
35°	56	37
45°	22	17
55°	9	8
65°	3	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6462.8
2.5°	6085.8
5°	4913.0
7.5°	3393.1
10°	2233.2
12.5°	1504.9
15°	1006.8
17.5°	668.3
20°	441.3
22.5°	292.4
25°	198.1
27.5°	138.2
30°	100.7
32.5°	75.0
35°	55.7
37.5°	41.8
40°	33.2
42.5°	26.8
45°	22.5
47.5°	18.2
50°	13.9
52.5°	11.8
55°	8.6
57.5°	6.4
60°	5.4
62.5°	4.3
65°	3.2
67.5°	2.1
70°	2.1
72.5°	1.1
75°	1.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)