

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: P285917

Luminaire Tested: **L81208FL9030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-134-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L81208FL9030MB
Description: HALO, TRACK-MINI, 38D BEAM
Light Source: (1) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

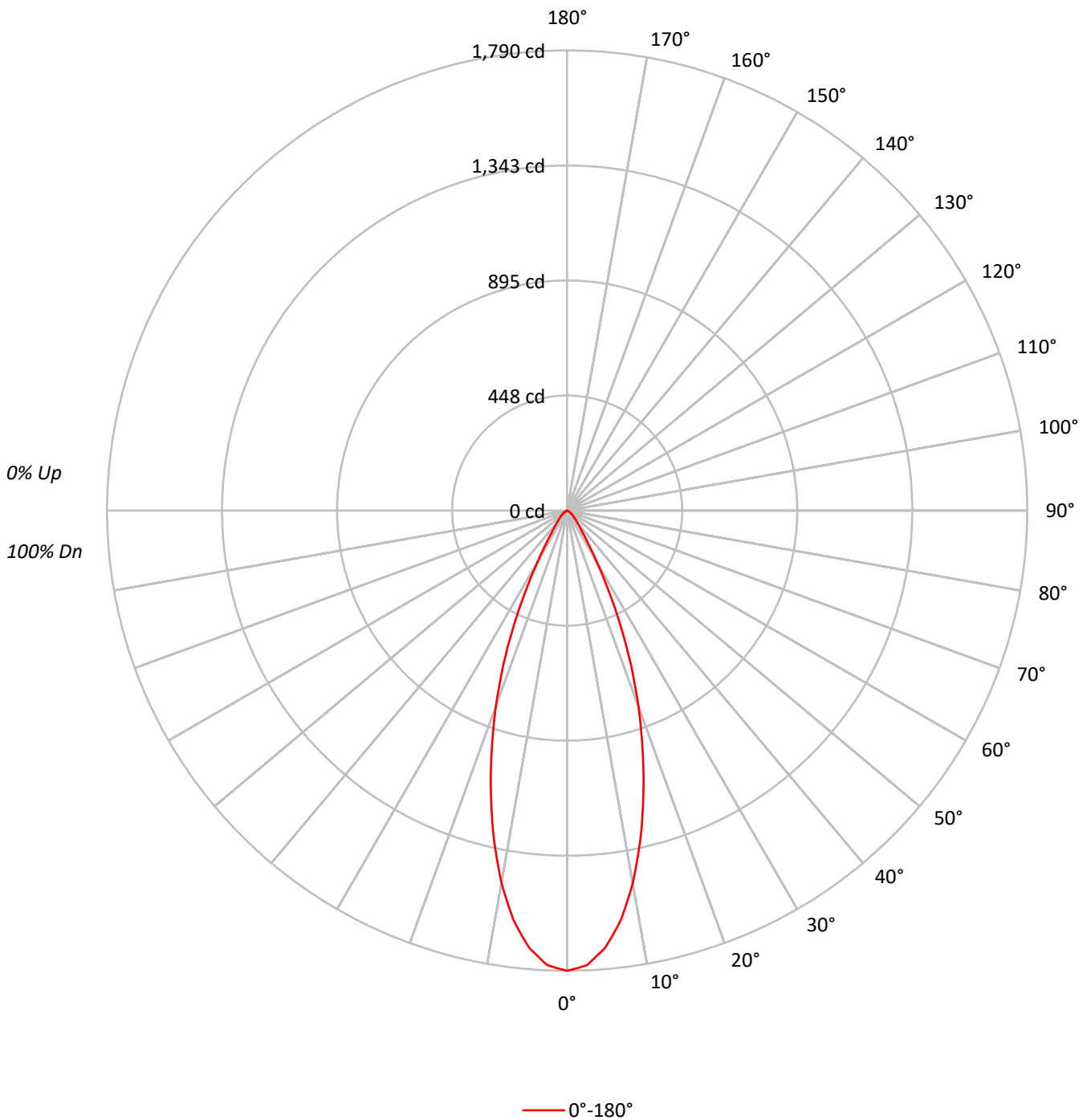
Lumens per Lamp: N/A
Luminaire Lumens: 819.2 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.62
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89
3	105	99	94	91	103	97	93	90	95	92	89	93	90	87	90	88	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	80
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	84	79	75	82	78	75	81	77	74	80	76	74	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	64	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	62	68	64	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	697995
5°	667633
10°	582092
15°	462628
20°	335946
25°	208915
30°	101912
35°	50445
40°	30890
45°	22107
50°	16253
55°	11214
60°	7251
65°	4704
70°	3533
75°	1506
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	19.0
10°-20°	314.7	38.4
20°-30°	221.9	27.1
30°-40°	73.5	9.0
40°-50°	31.8	3.9
50°-60°	15.2	1.9
60°-70°	5.6	0.7
70°-80°	1.2	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°	691.9	84.5
0°-40°	765.4	93.4
0°-60°	812.4	99.2
0°-90°	819.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1790	
5°	1706	155
15°	1146	315
25°	486	222
35°	106	73
45°	40	32
55°	16	15
65°	5	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1790.5
2.5°	1769.9
5°	1706.1
7.5°	1605.3
10°	1470.5
12.5°	1314.1
15°	1146.3
17.5°	975.5
20°	809.8
22.5°	645.2
25°	485.7
27.5°	338.5
30°	226.4
32.5°	151.3
35°	106.0
37.5°	79.2
40°	60.7
42.5°	49.4
45°	40.1
47.5°	32.9
50°	26.8
52.5°	21.6
55°	16.5
57.5°	12.3
60°	9.3
62.5°	7.2
65°	5.1
67.5°	4.1
70°	3.1
72.5°	2.1
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)