

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: P286850

Luminaire Tested: **L81211FL9035MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P286850
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: L81211FL9035MB
Description: HALO, TRACK-MINI, BLACK, 38D BEAM
Light Source: (1) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

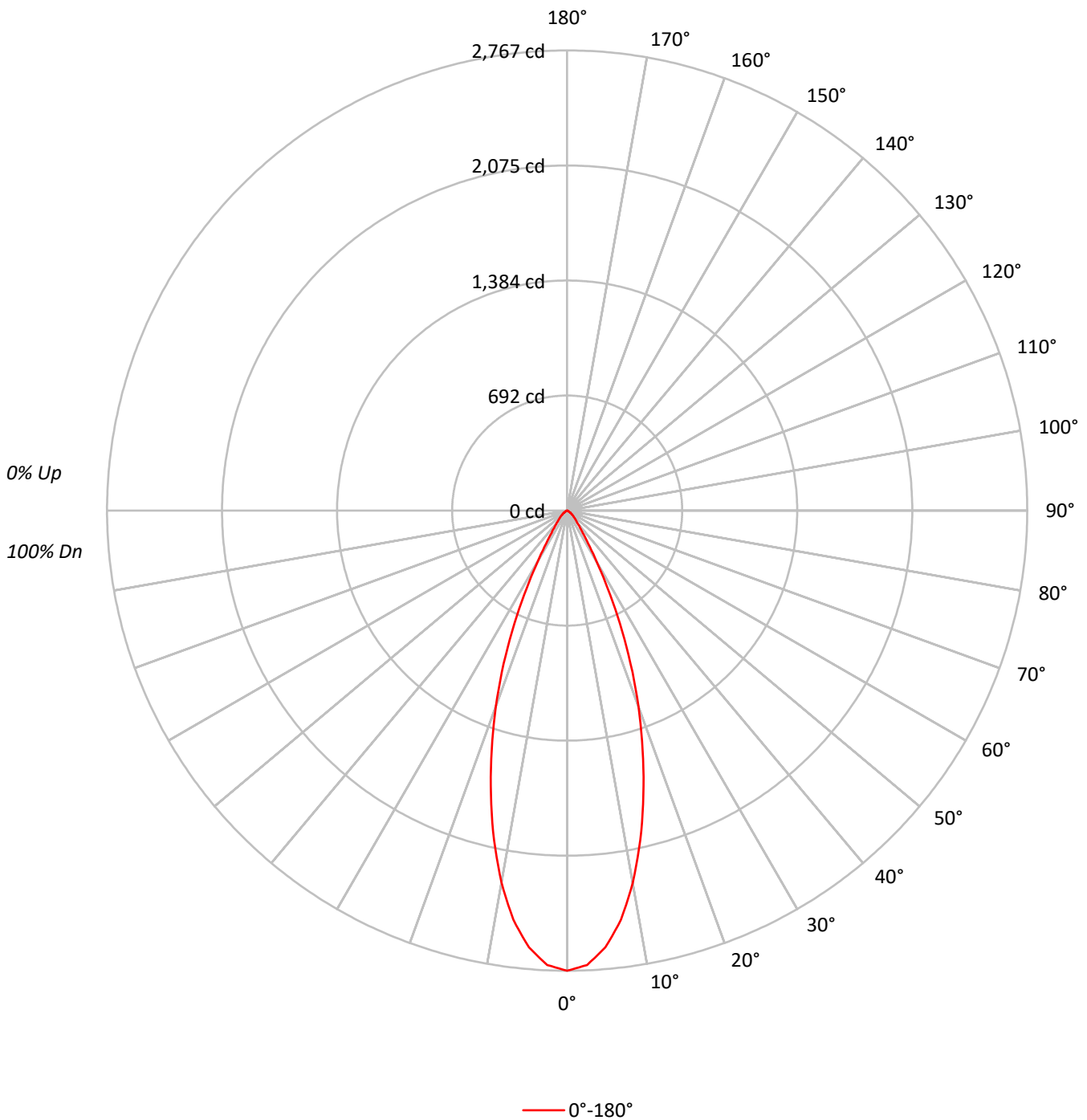
Lumens per Lamp: N/A
Luminaire Lumens: 1265.9 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.62
Luminous Opening: Circular (Dia: 0.19' x H: 0')
CIE Type: Direct

Input Watts (W): 15.5
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: 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°	1078588
5°	1031680
10°	899481
15°	714909
20°	519144
25°	322814
30°	157459
35°	77952
40°	47734
45°	34181
50°	25047
55°	17263
60°	11149
65°	7379
70°	5471
75°	2410
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.1	19.0
10°-20°	486.2	38.4
20°-30°	342.9	27.1
30°-40°	113.5	9.0
40°-50°	49.2	3.9
50°-60°	23.5	1.9
60°-70°	8.6	0.7
70°-80°	1.9	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°	1069.2	84.5
0°-40°	1182.7	93.4
0°-60°	1255.4	99.2
0°-90°	1265.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1265.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2767	
5°	2636	240
15°	1771	486
25°	750	343
35°	164	114
45°	62	49
55°	25	23
65°	8	9
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2766.8
2.5°	2735.0
5°	2636.4
7.5°	2480.6
10°	2272.3
12.5°	2030.6
15°	1771.4
17.5°	1507.4
20°	1251.4
22.5°	997.0
25°	750.5
27.5°	523.2
30°	349.8
32.5°	233.7
35°	163.8
37.5°	122.4
40°	93.8
42.5°	76.3
45°	62.0
47.5°	50.9
50°	41.3
52.5°	33.4
55°	25.4
57.5°	19.1
60°	14.3
62.5°	11.1
65°	8.0
67.5°	6.4
70°	4.8
72.5°	3.2
75°	1.6
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)