

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: P257068

Luminaire Tested: **L806HONF8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257068
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HONF8040MB
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH NARROW FLOOD OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-3)
Light Source: (15) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

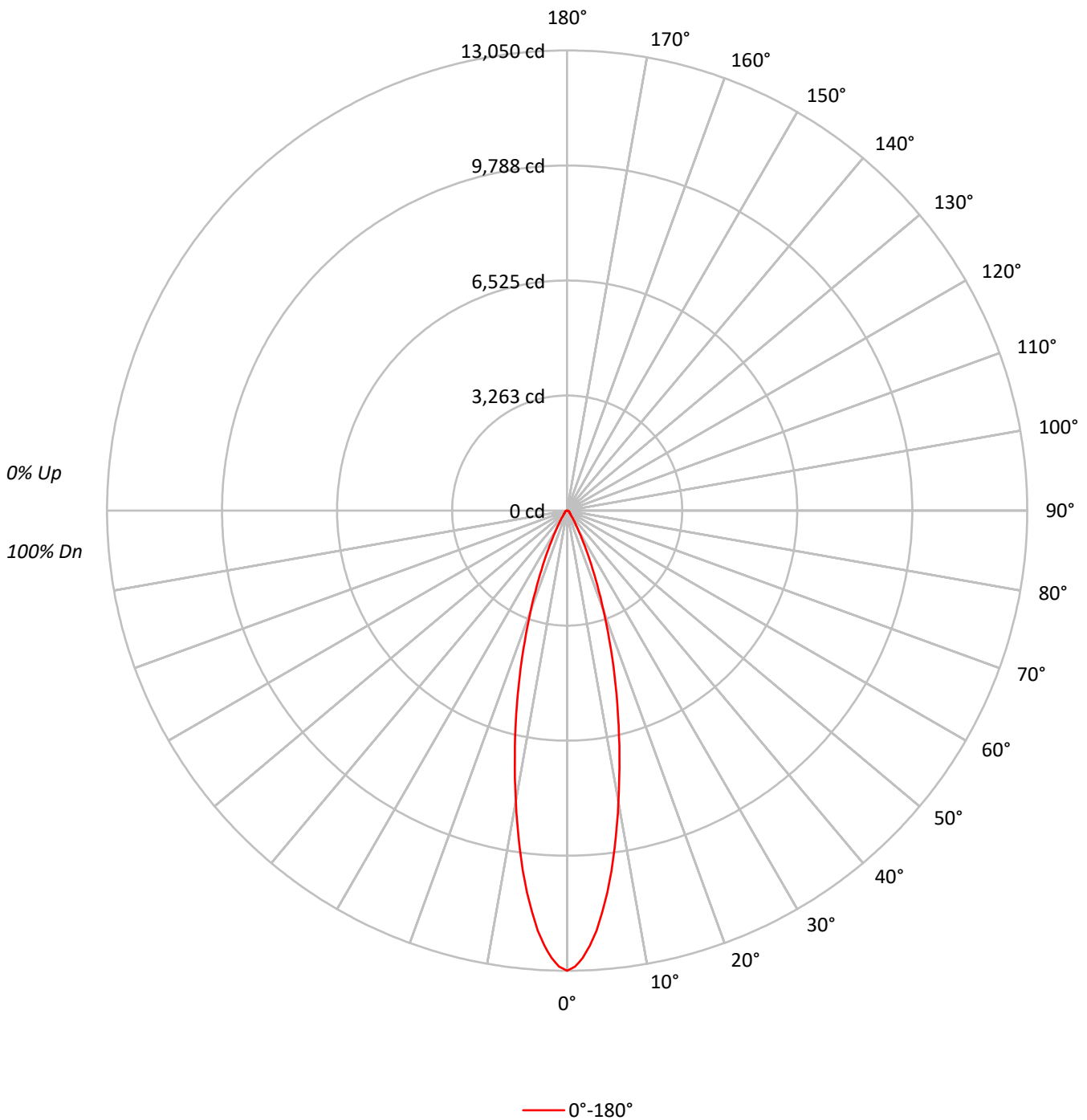
Lumens per Lamp: N/A
Luminaire Lumens: 3616.8 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.46
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 33.6
Input Voltage (V): 120
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	110	108	106	106	104	103		102	101	99		98	98	97	95
2	110	105	102	99	107	104	100	98	100	98	96		98	95	94		95	93	92	90
3	105	100	96	92	103	98	95	91	96	93	90		94	91	89		91	89	87	86
4	101	95	90	87	100	94	90	86	92	88	85		90	87	84		88	86	83	82
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85	82	80	79
6	94	87	82	79	93	86	82	78	85	81	78		84	80	77		82	79	77	76
7	91	84	79	75	90	83	78	75	82	78	75		81	77	74		80	76	74	73
8	88	80	76	72	87	80	75	72	79	75	72		78	74	72		77	74	71	70
9	85	78	73	70	84	77	73	70	76	72	69		76	72	69		75	71	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	69	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1831390
5°	1610660
10°	1194588
15°	786064
20°	449921
25°	219032
30°	100941
35°	50318
40°	30265
45°	22546
50°	19781
55°	19085
60°	19002
65°	18297
70°	16946
75°	14911
80°	13012
85°	11110



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	991.9	27.4
10°-20°	1478.8	40.9
20°-30°	690.3	19.1
30°-40°	202.4	5.6
40°-50°	91.5	2.5
50°-60°	70.3	1.9
60°-70°	54.1	1.5
70°-80°	29.6	0.8
80°-90°	7.8	0.2
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°	3161.0	87.4
0°-40°	3363.4	93.0
0°-60°	3525.2	97.5
0°-90°	3616.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3616.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13050	
5°	11433	992
15°	5410	1479
25°	1414	690
35°	294	202
45°	114	92
55°	78	70
65°	55	54
75°	28	30
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13049.7
1°	12935.0
2°	12695.2
3°	12354.5
4°	11940.3
5°	11433.2
6°	10887.2
7°	10297.5
8°	9678.0
9°	9025.2
10°	8382.8
11°	7751.8
12°	7135.7
13°	6543.8
14°	5964.4
15°	5410.3
16°	4875.7
17°	4369.8
18°	3882.2
19°	3439.4
20°	3012.6
22.5°	2098.3
25°	1414.5
26°	1204.6
27°	1021.0
28°	866.2
29°	733.1
30°	622.9
32.5°	422.2
35°	293.7
37.5°	213.4
40°	165.2
42.5°	134.2
45°	113.6
47.5°	101.0
50°	90.6
52.5°	83.7
55°	78.0
57.5°	73.4
60°	67.7
62.5°	60.8
65°	55.1
67.5°	48.2
70°	41.3
72.5°	34.4



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CANDELA DISTRIBUTION (continued):

	0°
75°	27.5
77.5°	21.8
80°	16.1
82.5°	11.5
85°	6.9
87.5°	2.3
90°	0.0

(END OF REPORT)