

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: P257074

Luminaire Tested: **L806XHOSP8040MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257074
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOSP8040MB
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-5)
Light Source: (15) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

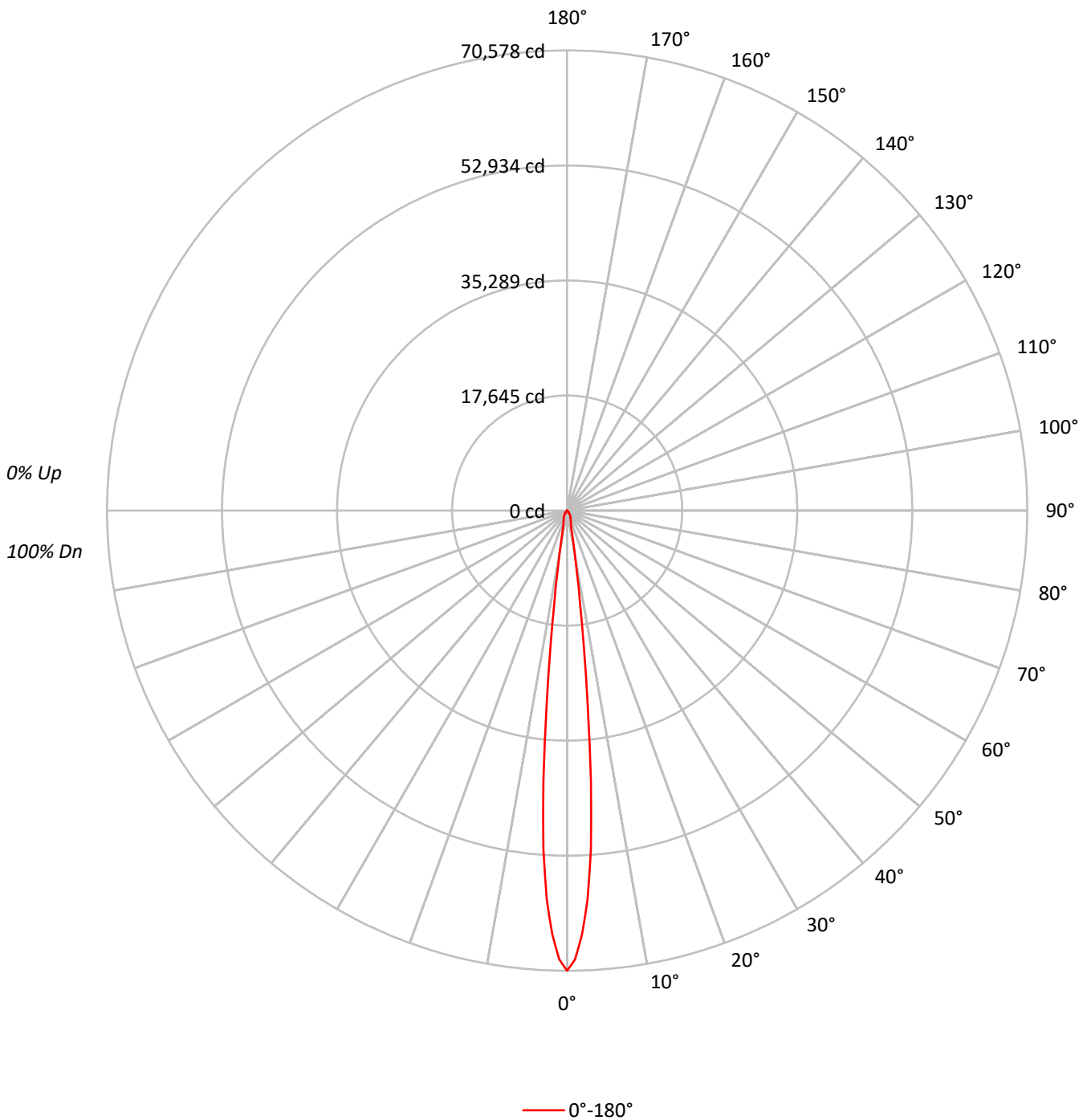
Lumens per Lamp: N/A
Luminaire Lumens: 4584.2 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	97
2	111	107	104	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88	92	89	87	90	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83
7	96	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	87	83	81	86	83	81	85	82	80	79
9	92	86	82	79	91	85	82	79	85	81	79	84	81	79	83	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11370304
5°	6729896
10°	1084956
15°	374987
20°	271189
25°	217736
30°	171944
35°	123333
40°	74343
45°	38732
50°	22006
55°	24661
60°	20686
65°	12885
70°	11116
75°	11889
80°	8350
85°	2033



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2618.6	57.1
10°-20°	735.2	16.0
20°-30°	561.1	12.2
30°-40°	391.7	8.5
40°-50°	144.5	3.2
50°-60°	68.7	1.5
60°-70°	39.4	0.9
70°-80°	17.9	0.4
80°-90°	7.1	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°	3914.9	85.4
0°-40°	4306.6	93.9
0°-60°	4519.8	98.6
0°-90°	4584.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4584.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	70578	
5°	41615	###
15°	2248	735
25°	1225	561
35°	627	392
45°	170	145
55°	88	69
65°	34	39
75°	19	18
85°	1	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	70577.5
1°	68856.1
2°	65097.0
3°	59653.7
4°	52161.3
5°	41614.7
6°	30438.7
7°	20805.1
8°	14111.0
9°	9474.9
10°	6632.2
11°	4810.6
12°	3699.4
13°	2982.3
14°	2537.6
15°	2248.3
17.5°	1895.9
20°	1581.8
22.5°	1358.9
25°	1224.9
27.5°	1084.2
30°	924.3
32.5°	783.6
35°	627.1
37.5°	489.7
40°	353.5
42.5°	253.3
45°	170.0
47.5°	117.1
50°	87.8
52.5°	70.9
55°	87.8
57.5°	72.1
60°	64.2
62.5°	52.9
65°	33.8
67.5°	29.3
70°	23.6
72.5°	21.4
75°	19.1
77.5°	11.3
80°	9.0
82.5°	12.4
85°	1.1
87.5°	7.9



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)