

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: P257046

Luminaire Tested: **L806HOSP8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257046
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOSP8030MB
Description: HALO LED HIGH OUTPUT TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-1)
Light Source: (15) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

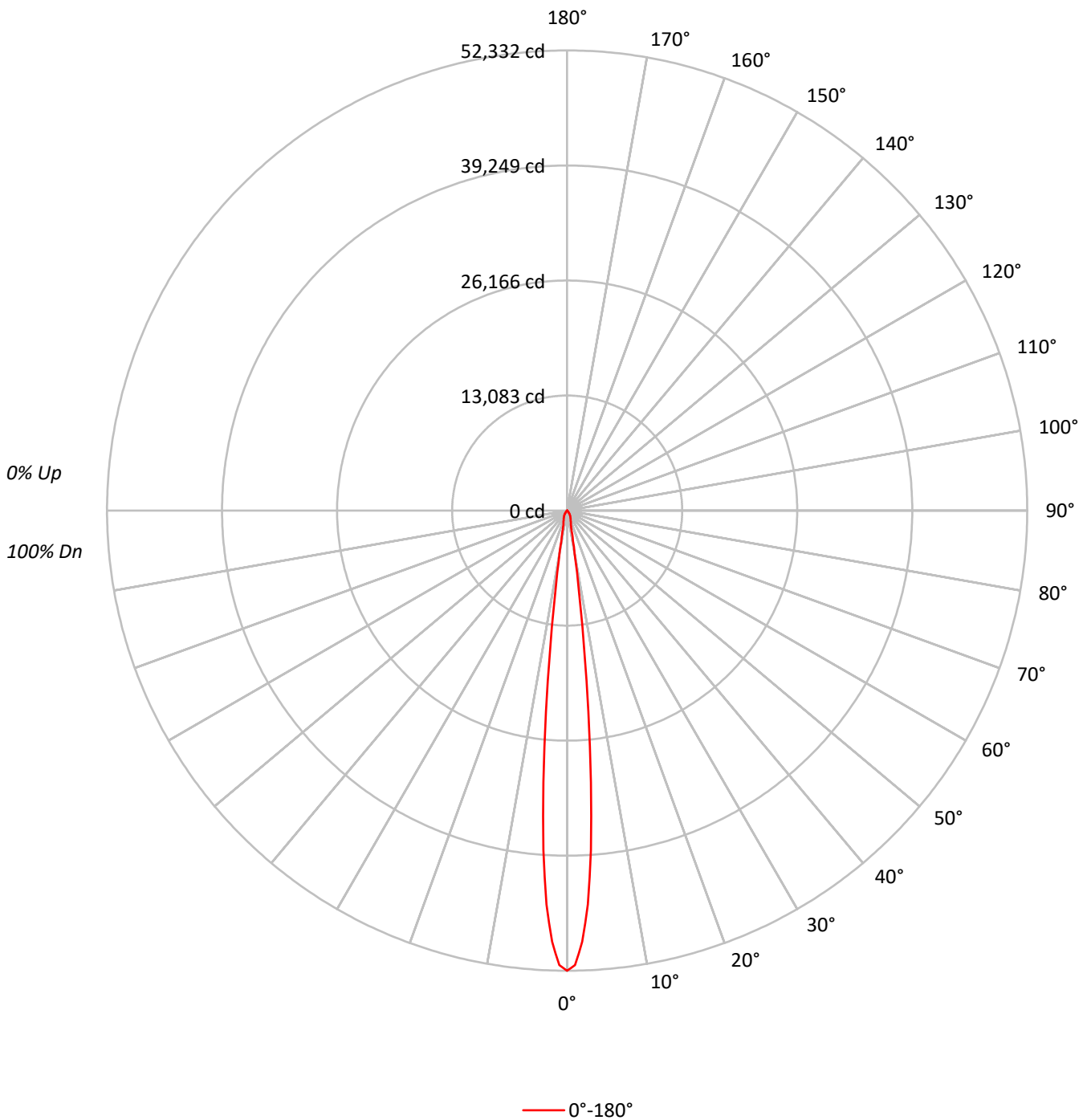
Lumens per Lamp: N/A
Luminaire Lumens: 3339.4 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.19
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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	110	113	111	109	108	107	106	105		103	103	102		100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98	97	95	94
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96	94	93	91
4	105	100	96	94	104	99	96	93	97	94	92		95	93	91		94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90	87	85	84
7	97	92	88	85	96	91	87	85	90	87	84		89	86	84		88	85	84	83
8	95	89	85	83	94	89	85	83	88	85	82		87	84	82		86	84	82	81
9	93	87	84	81	93	87	83	81	86	83	81		85	83	80		85	82	80	79
10	92	85	82	79	91	85	82	79	85	81	79		84	81	79		83	81	79	78

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	7344268
5°	4365752
10°	694810
15°	237535
20°	175362
25°	137164
30°	109886
35°	79100
40°	46533
45°	20085
50°	14104
55°	10007
60°	6343
65°	5014
70°	2216
75°	596
80°	889
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1967.4	58.9
10°-20°	535.8	16.0
20°-30°	410.4	12.3
30°-40°	278.6	8.3
40°-50°	94.3	2.8
50°-60°	39.4	1.2
60°-70°	11.7	0.3
70°-80°	1.7	0.1
80°-90°	0.1	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°	2913.5	87.2
0°-40°	3192.1	95.6
0°-60°	3325.8	99.6
0°-90°	3339.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3339.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	52332	
5°	30990	###
15°	1635	536
25°	886	410
35°	462	279
45°	101	94
55°	41	39
65°	15	12
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	52332.1
1°	51689.6
2°	49061.2
3°	44844.3
4°	38720.1
5°	30990.1
6°	22964.1
7°	16019.7
8°	10644.7
9°	7115.5
10°	4875.7
11°	3509.8
12°	2686.5
13°	2163.4
14°	1837.3
15°	1634.9
17.5°	1375.5
20°	1174.2
22.5°	1010.7
25°	885.8
27.5°	780.3
30°	678.1
32.5°	546.8
35°	461.7
37.5°	332.6
40°	254.0
42.5°	162.5
45°	101.2
47.5°	74.3
50°	64.6
52.5°	52.7
55°	40.9
57.5°	39.8
60°	22.6
62.5°	12.9
65°	15.1
67.5°	5.4
70°	5.4
72.5°	0.0
75°	1.1
77.5°	2.2
80°	1.1
82.5°	0.0
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)