

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: P257045

Luminaire Tested: **L806HOSP8027MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257045
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOSP8027MB
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) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

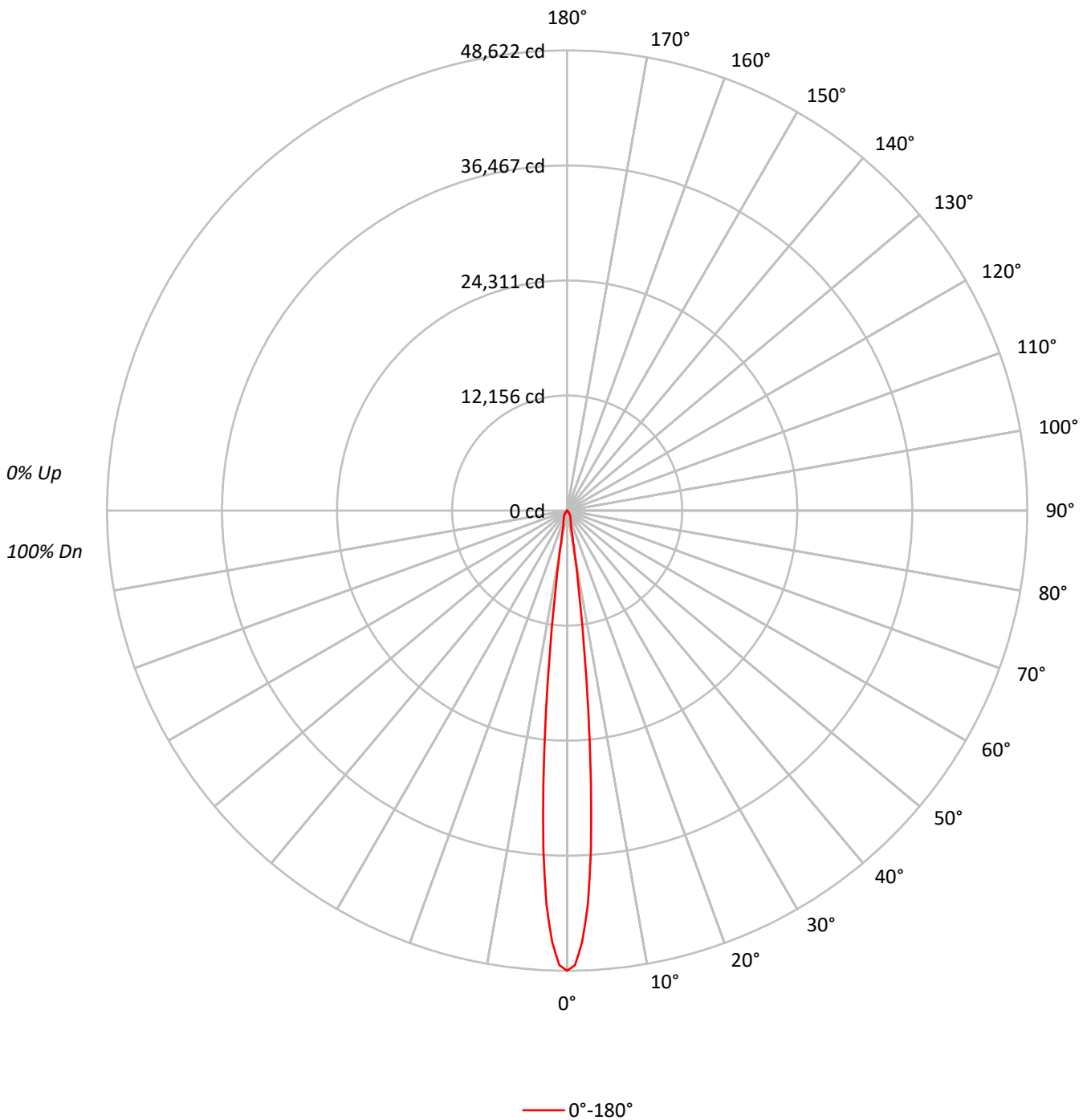
Lumens per Lamp: N/A
Luminaire Lumens: 3102.6 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.19
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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



TEST NUMBER: P257045
CATALOG NUMBER: L806HOSP8027MB

Luminous Intensity Polar Plot





TEST NUMBER: P257045

CATALOG NUMBER: L806HOSP8027MB

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°	6823594
5°	4056234
10°	645546
15°	220696
20°	162937
25°	127440
30°	102092
35°	73498
40°	43235
45°	18656
50°	13100
55°	9298
60°	5894
65°	4649
70°	2052
75°	542
80°	808
85°	0



TEST NUMBER: P257045

CATALOG NUMBER: L806HOSP8027MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1827.9	58.9
10°-20°	497.8	16.0
20°-30°	381.3	12.3
30°-40°	258.8	8.3
40°-50°	87.6	2.8
50°-60°	36.6	1.2
60°-70°	10.8	0.3
70°-80°	1.6	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°	2707.0	87.2
0°-40°	2965.8	95.6
0°-60°	3090.0	99.6
0°-90°	3102.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3102.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	48622	
5°	28793	###
15°	1519	498
25°	823	381
35°	429	259
45°	94	88
55°	38	37
65°	14	11
75°	1	2
85°	0	0
90°	0	



TEST NUMBER: P257045

CATALOG NUMBER: L806HOSP8027MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	48622
1°	48025
2°	45583
3°	41665
4°	35975
5°	28793
6°	21336
7°	14884
8°	9890
9°	6611
10°	4530
11°	3261
12°	2496
13°	2010
14°	1707
15°	1519
17.5°	1278
20°	1091
22.5°	939
25°	823
27.5°	725
30°	630
32.5°	508
35°	429
37.5°	309
40°	236
42.5°	151
45°	94
47.5°	69
50°	60
52.5°	49
55°	38
57.5°	37
60°	21
62.5°	12
65°	14
67.5°	5
70°	5
72.5°	0
75°	1
77.5°	2
80°	1
82.5°	0
85°	0
87.5°	0



TEST NUMBER: P257045

CATALOG NUMBER: L806HOSP8027MB

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)