

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: P201171

Luminaire Tested: **L806XHOSP8040**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23109)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOSP8040
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE WITH SPOT OPTIC

Light Source: EATON LED 4000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

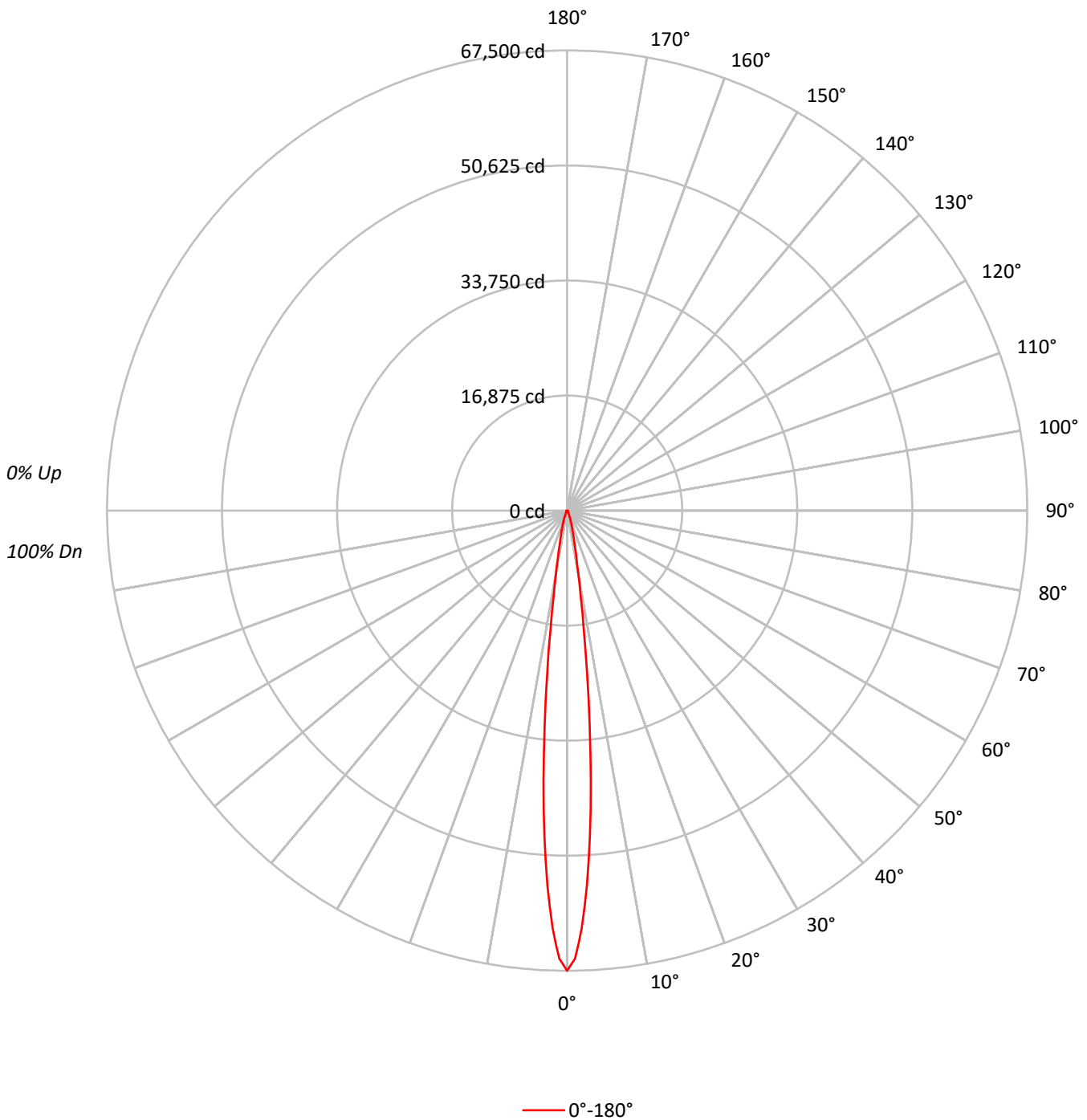
Lumens per Lamp: N/A
Luminaire Lumens: 4421.2 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Circular (Dia: 0.27' x H: 0')
CIE Type: Direct

Input Watts (W): 47.5
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	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	95	91	88	99	94	91	88	93	90	87	92	89	87	91	88	86	85
7	98	93	89	86	97	92	89	86	91	88	86	90	87	85	89	87	85	84
8	97	91	87	85	96	90	87	84	89	86	84	89	86	84	88	85	84	83
9	95	89	86	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81
10	93	88	84	82	93	87	84	82	87	84	82	86	83	81	85	83	81	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	12611932
5°	7470259
10°	1777083
15°	619802
20°	271667
25°	117016
30°	64616
35°	41331
40°	36976
45°	25895
50°	22586
55°	29513
60°	38677
65°	39215
70°	38404
75°	36023
80°	25824
85°	11791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2710.2	61.3
10°-20°	984.4	22.3
20°-30°	291.7	6.6
30°-40°	119.7	2.7
40°-50°	86.2	2.0
50°-60°	81.9	1.9
60°-70°	88.4	2.0
70°-80°	52.4	1.2
80°-90°	6.2	0.1
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°	3986.3	90.2
0°-40°	4106.0	92.9
0°-60°	4274.2	96.7
0°-90°	4421.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4421.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	67500	
5°	39829	###
15°	3204	984
25°	568	292
35°	181	120
45°	98	86
55°	91	82
65°	89	88
75°	50	52
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	67500.1
1°	65721.5
2°	61300.7
3°	55227.0
4°	47903.5
5°	39829.3
6°	31579.4
7°	24032.2
8°	17553.6
9°	12690.9
10°	9366.6
11°	7177.5
12°	5713.1
13°	4681.4
14°	3875.3
15°	3204.2
17.5°	2002.4
20°	1366.3
22.5°	870.8
25°	567.6
27.5°	371.6
30°	299.5
32.5°	214.5
35°	181.2
37.5°	151.6
40°	151.6
42.5°	135.0
45°	98.0
47.5°	101.7
50°	77.7
52.5°	85.1
55°	90.6
57.5°	98.0
60°	103.5
62.5°	92.4
65°	88.7
67.5°	88.7
70°	70.3
72.5°	57.3
75°	49.9
77.5°	44.4
80°	24.0
82.5°	5.5
85°	5.5
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)