

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: P22680

Luminaire Tested: **L807SP8040 / L806SP8040**

Test Date: 09/06/12

Test Information

Test Method: LM-79-08
Report Number: P22680
Test Lab: INNOVATION CENTER P2
Test Date: 09/06/12
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L807SP8040 / L806SP8040
Description: HALO LED TRACK FIXTURE WITH SPOT OPTIC.
Light Source: (9) 4000K LEDS

Ballast/Driver: -
ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1429.5 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.26
Luminous Opening: Circular (Dia: 0.21' x H: 0')
CIE Type: Direct

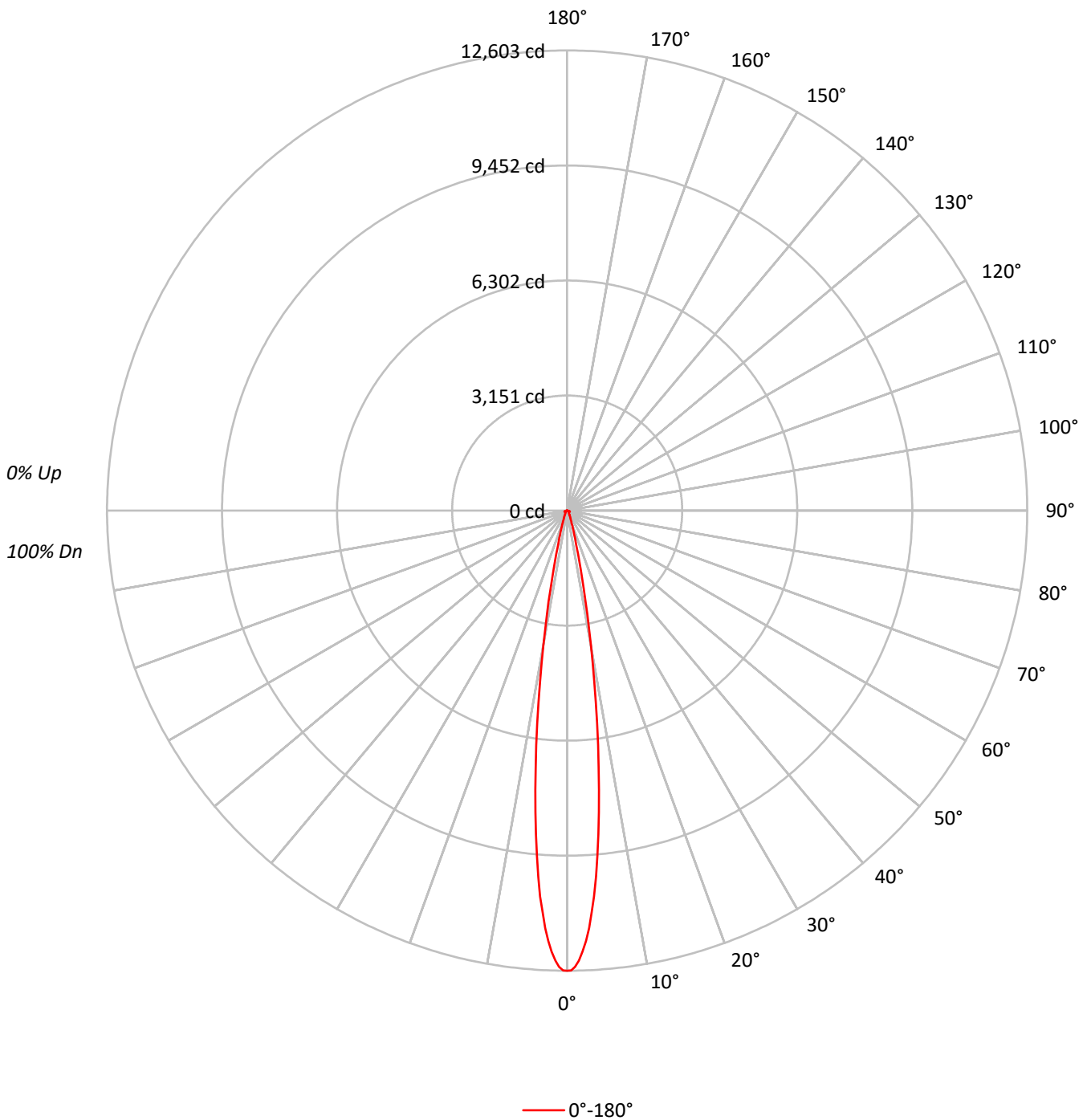
Input Watts (W): 17.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95	93
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	97	90	85	81	95	89	84	81	87	83	80		86	82	79		84	81	79	77
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82	79	77	75
7	92	84	79	76	90	84	79	76	82	78	75		81	78	75		80	77	75	74
8	89	82	77	74	88	81	77	74	80	77	74		80	76	73		79	76	73	72
9	87	80	76	73	86	80	75	72	79	75	72		78	74	72		77	74	72	71
10	85	78	74	71	85	78	74	71	77	73	71		77	73	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3979589
5°	3014715
10°	1198539
15°	309578
20°	115594
25°	66198
30°	42660
35°	31995
40°	28854
45°	25007
50°	24562
55°	26425
60°	45470
65°	58279
70°	73859
75°	71981
80°	76374
85°	21738



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.7	49.6
10°-20°	327.9	22.9
20°-30°	90.2	6.3
30°-40°	53.4	3.7
40°-50°	45.1	3.2
50°-60°	49.5	3.5
60°-70°	76.2	5.3
70°-80°	62.5	4.4
80°-90°	16.0	1.1
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°	1126.8	78.8
0°-40°	1180.2	82.6
0°-60°	1274.7	89.2
0°-90°	1429.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12603	
5°	9511	709
15°	947	328
25°	190	90
35°	83	53
45°	56	45
55°	48	49
65°	78	76
75°	59	63
85°	6	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12603
0.5°	12599
1°	12500
1.5°	12332
2°	12093
2.5°	11799
3°	11449
4°	10594
5°	9511
6°	8307
7°	7097
8°	5867
9°	4744
10°	3738
11°	2892
12°	2188
13°	1638
14°	1227
15°	947
17.5°	518
20°	344
22.5°	240
25°	190
27.5°	144
30°	117
32.5°	92
35°	83
37.5°	75
40°	70
42.5°	65
45°	56
47.5°	53
50°	50
52.5°	55
55°	48
57.5°	56
60°	72
62.5°	76
65°	78
67.5°	77
70°	80
72.5°	70
75°	59
77.5°	47
80°	42



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	25
85°	6
87.5°	7
90°	0

(END OF REPORT)