

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: P22780

Luminaire Tested: **L807SP8030 / L806SP8030**

Test Date: 10/04/12

**Test Information**

Test Method: LM-79-08  
Report Number: P22780  
Test Lab: INNOVATION CENTER P2  
Test Date: 10/04/12  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L807SP8030 / L806SP8030  
Description: HALO LED TRACK FIXTURE WITH SPOT OPTIC.  
Light Source: (9) 3000K LEDS  
  
Ballast/Driver: -  
ELECTRONIC DRIVER

**Summary**

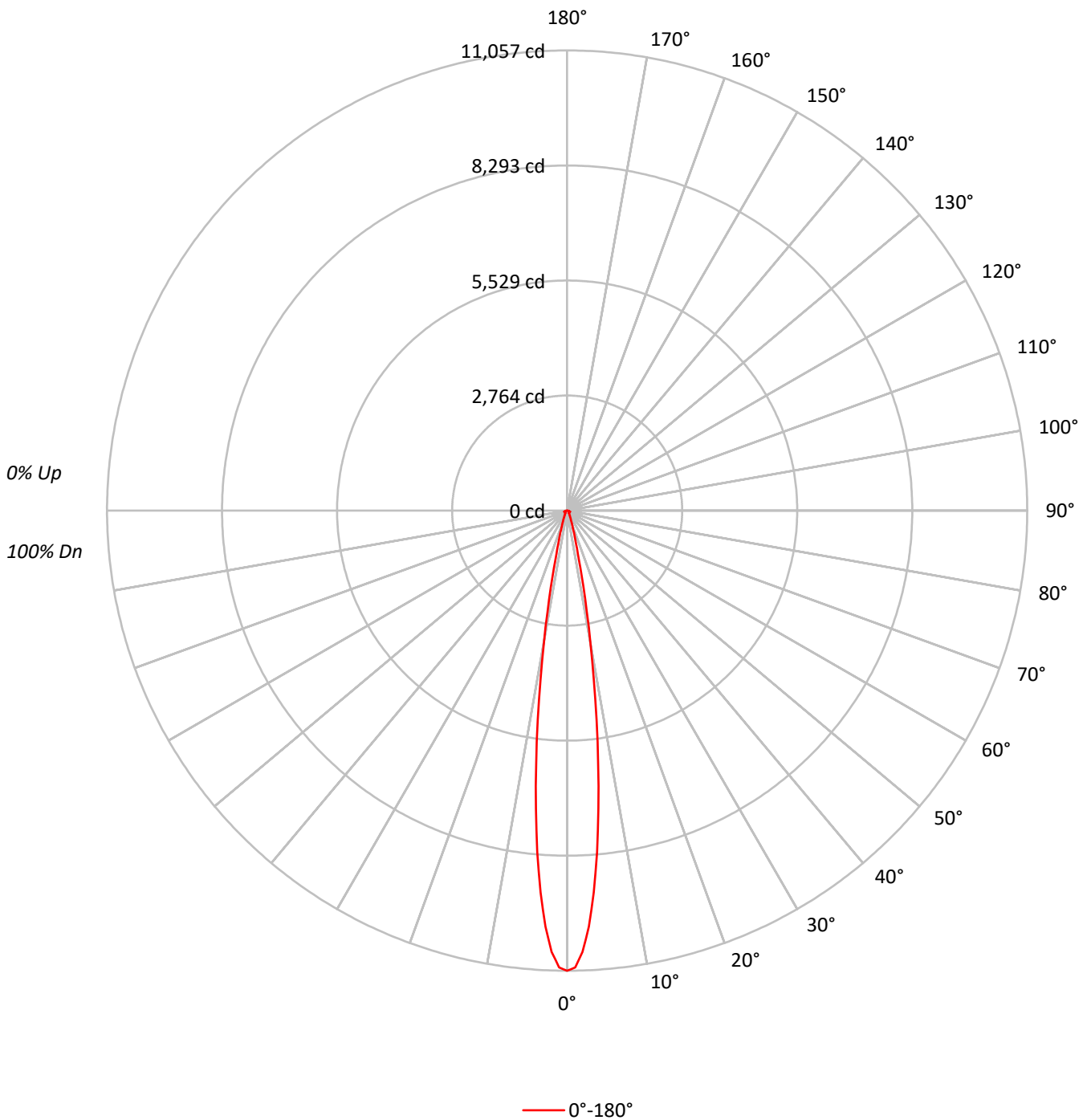
Lumens per Lamp: N/A  
Luminaire Lumens: 1253.0 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.26  
Luminous Opening: Circular (Dia: 0.23' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 17.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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	106	111	108	106	104	104	102	101		101	99	98		97	96	95	93
2	108	104	100	96	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	104	98	93	90	102	97	92	89	94	91	88		92	89	86		89	87	85	84
4	100	94	89	85	99	92	88	85	90	87	84		88	85	83		87	84	82	80
5	97	90	85	81	96	89	84	81	87	83	80		86	82	80		84	81	79	78
6	94	87	82	78	93	86	82	78	85	81	78		83	80	77		82	79	77	76
7	92	84	79	76	90	84	79	76	82	78	76		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	75	72	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		76	73	71		76	73	70	69

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	2885450
5°	2156964
10°	854848
15°	222618
20°	90811
25°	48662
30°	31037
35°	26442
40°	22484
45°	22512
50°	25171
55°	21839
60°	25052
65°	38284
70°	55699
75°	35290
80°	45084
85°	35930



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	614.7	49.1
10°-20°	287.5	22.9
20°-30°	84.2	6.7
30°-40°	51.6	4.1
40°-50°	48.1	3.8
50°-60°	45.4	3.6
60°-70°	61.5	4.9
70°-80°	46.8	3.7
80°-90°	13.1	1.0
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°	986.5	78.7
0°-40°	1038.0	82.8
0°-60°	1131.6	90.3
0°-90°	1253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1253.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11057	
5°	8234	615
15°	824	287
25°	169	84
35°	83	52
45°	61	48
55°	48	45
65°	62	62
75°	35	47
85°	12	13
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11057
1°	10980
2°	10611
3°	10011
4°	9195
5°	8234
6°	7201
7°	6125
8°	5075
9°	4098
10°	3226
11°	2486
12°	1877
13°	1414
14°	1069
15°	824
17.5°	484
20°	327
22.5°	228
25°	169
27.5°	140
30°	103
32.5°	94
35°	83
37.5°	70
40°	66
42.5°	65
45°	61
47.5°	59
50°	62
52.5°	51
55°	48
57.5°	49
60°	48
62.5°	62
65°	62
67.5°	63
70°	73
72.5°	52
75°	35
77.5°	39
80°	30
82.5°	19
85°	12
87.5°	2



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CANDELA DISTRIBUTION (continued):

90° | ————— 0°  
          0

(END OF REPORT)