

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: P22670

Luminaire Tested: **L807FL8030 / L806FL8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P22670  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO  
Catalog Number: L807FL8030 / L806FL8030  
Description: HALO LED TRACK FIXTURE WITH FLOOD OPTIC.  
Light Source: (9) 3000K LEDS  
XTE  
Ballast/Driver: -  
ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1227.6 lumens  
Efficiency: N/A  
Efficacy: 69.0 lumens/watt  
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.6  
Luminous Opening: Circular (Dia: 0.21' x H: 0')  
CIE Type: Direct

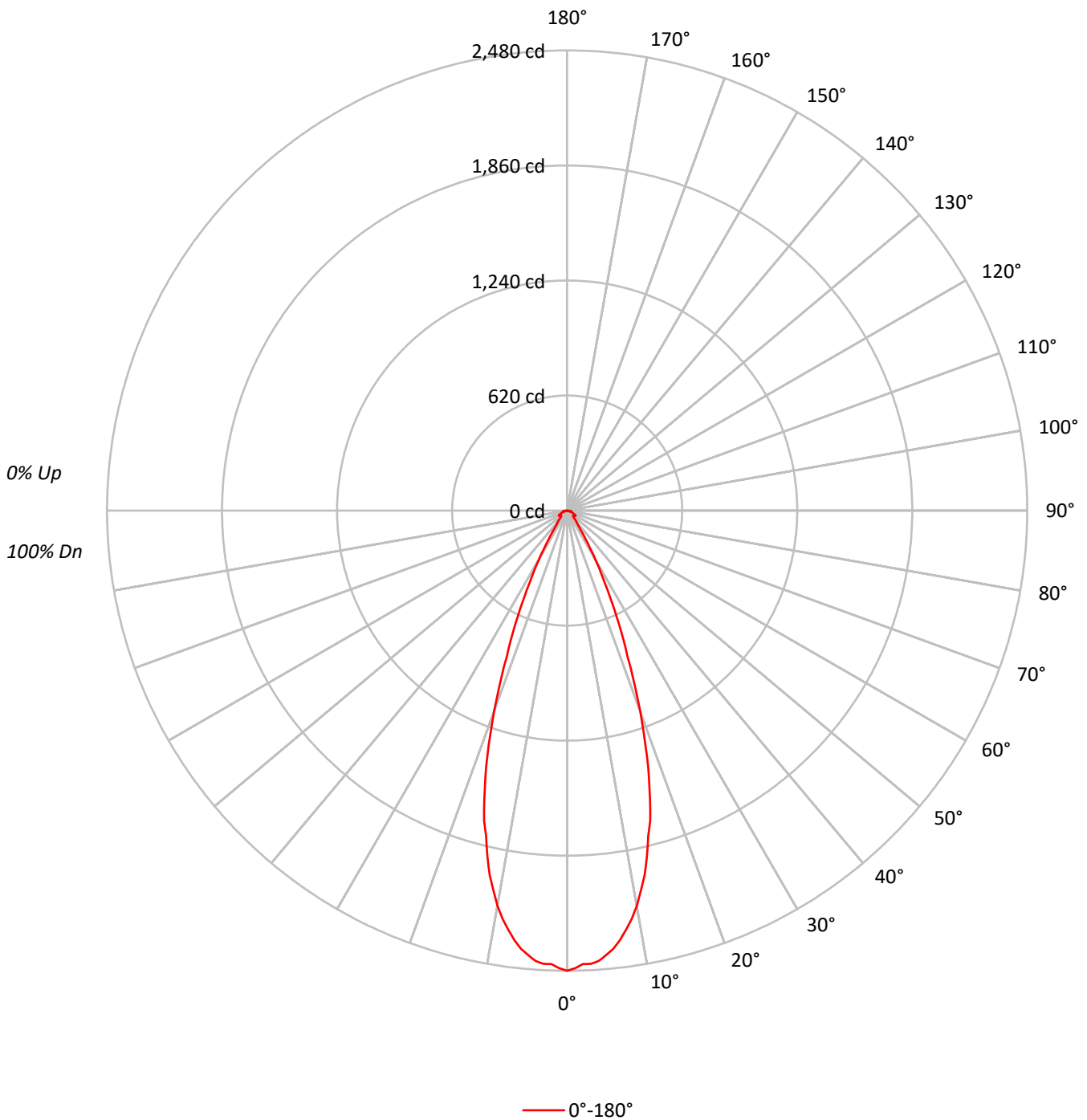
Input Watts (W): 17.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P22670

CATALOG NUMBER: L807FL8030 / L806FL8030

### 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	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69
7	86	77	72	68	85	77	71	68	76	71	67	74	70	67	73	70	67	65
8	83	74	68	65	82	73	68	64	72	68	64	71	67	64	70	67	64	62
9	80	71	65	62	79	70	65	62	69	65	61	69	64	61	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57

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

	0°
0°	783098
5°	761999
10°	693216
15°	565544
20°	386771
25°	218452
30°	110843
35°	47799
40°	31740
45°	21435
50°	23580
55°	26975
60°	32208
65°	26898
70°	29544
75°	23180
80°	40005
85°	68837



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.9	18.1
10°-20°	466.5	38.0
20°-30°	294.7	24.0
30°-40°	91.1	7.4
40°-50°	40.1	3.3
50°-60°	44.6	3.6
60°-70°	38.4	3.1
70°-80°	15.8	1.3
80°-90°	14.4	1.2
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°	983.1	80.1
0°-40°	1074.2	87.5
0°-60°	1158.9	94.4
0°-90°	1227.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2480	
5°	2404	222
15°	1730	467
25°	627	295
35°	124	91
45°	48	40
55°	49	45
65°	36	38
75°	19	16
85°	19	14
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2480
1°	2466
2°	2446
3°	2446
4°	2434
5°	2404
6°	2376
7°	2332
8°	2281
9°	2228
10°	2162
11°	2083
12°	2009
13°	1912
14°	1808
15°	1730
17.5°	1451
20°	1151
22.5°	850
25°	627
27.5°	440
30°	304
32.5°	194
35°	124
37.5°	89
40°	77
42.5°	56
45°	48
47.5°	42
50°	48
52.5°	46
55°	49
57.5°	54
60°	51
62.5°	47
65°	36
67.5°	31
70°	32
72.5°	9
75°	19
77.5°	5
80°	22
82.5°	18
85°	19
87.5°	5



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CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)