

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: P23681

Luminaire Tested: **L806H0WS8027 / L806H0WS8027**

Test Date: 06/17/13

Test Information

Test Method: LM-79-08
Report Number: P23681
Test Lab: INNOVATION CENTER P2
Test Date: 06/17/13
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806H0WS8027 / L806H0WS8027
Description: HALO LED HIGH OUTPUT TRACK FIXTURE, WIDE SPOT, 2700
Light Source: (15) 2700K LED
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2609.3 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.24
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

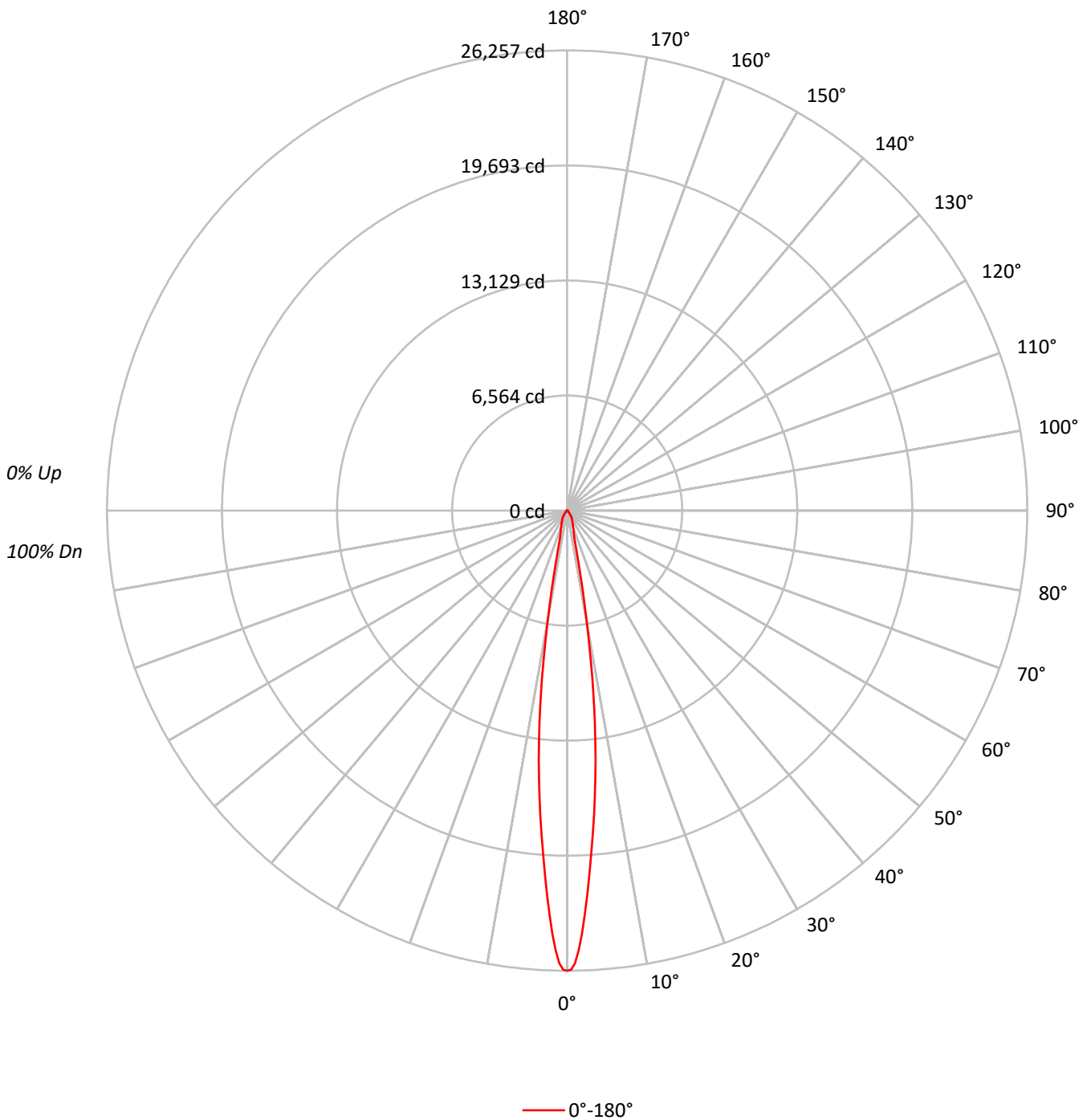
Input Watts (W): 34.1
Input Voltage (V): 120.07
Input Current (Ain): 0.296
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	105	104		103	102	101		100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98		100	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	94		96	94	92		94	92	91	89
4	104	98	94	91	102	97	94	91	95	92	90		94	91	89		92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84		88	85	83		87	85	83	82
7	95	89	85	82	94	88	84	82	87	84	81		86	83	81		85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83	81	78	77
9	91	84	80	77	90	84	80	77	83	79	77		82	79	77		82	79	77	76
10	89	82	78	76	88	82	78	75	81	78	75		80	77	75		80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4230103
5°	2830409
10°	1056622
15°	256852
20°	167843
25°	127453
30°	100826
35°	72572
40°	44164
45°	23239
50°	15539
55°	11797
60°	10633
65°	6862
70°	1884
75°	6225
80°	3711
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1323.7	50.7
10°-20°	564.8	21.6
20°-30°	334.3	12.8
30°-40°	230.5	8.8
40°-50°	87.7	3.4
50°-60°	39.0	1.5
60°-70°	22.1	0.8
70°-80°	6.1	0.2
80°-90°	1.1	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°	2222.8	85.2
0°-40°	2453.3	94.0
0°-60°	2580.0	98.9
0°-90°	2609.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2609.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	26257	
5°	17502	###
15°	1540	565
25°	717	334
35°	369	230
45°	102	88
55°	42	39
65°	18	22
75°	10	6
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	26257
0.5°	26200
1°	25832
1.5°	25125
2°	24172
2.5°	23087
3°	21936
4°	19652
5°	17502
6°	15419
7°	13225
8°	10909
9°	8600
10°	6459
11°	4618
12°	3253
13°	2356
14°	1840
15°	1540
17.5°	1204
20°	979
22.5°	839
25°	717
27.5°	623
30°	542
32.5°	454
35°	369
37.5°	294
40°	210
42.5°	145
45°	102
47.5°	78
50°	62
52.5°	42
55°	42
57.5°	43
60°	33
62.5°	29
65°	18
67.5°	24
70°	4
72.5°	6
75°	10
77.5°	3
80°	4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	1
85°	0
87.5°	1
90°	0

(END OF REPORT)