

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: P23530

Luminaire Tested: **L806HOSP8030**

Test Date: 04/17/13

Test Information

Test Method: LM-79-08
Report Number: P23530
Test Lab: INNOVATION CENTER P2
Test Date: 04/17/13
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806HOSP8030
Description: HALO LED HIGH OUTPUT TRACK FIXTURE, SPOT OPTIC,3000K
Light Source: (15) 3000K LEDS
Ballast/Driver: (1) ELECTRONIC DRIVER

Summary

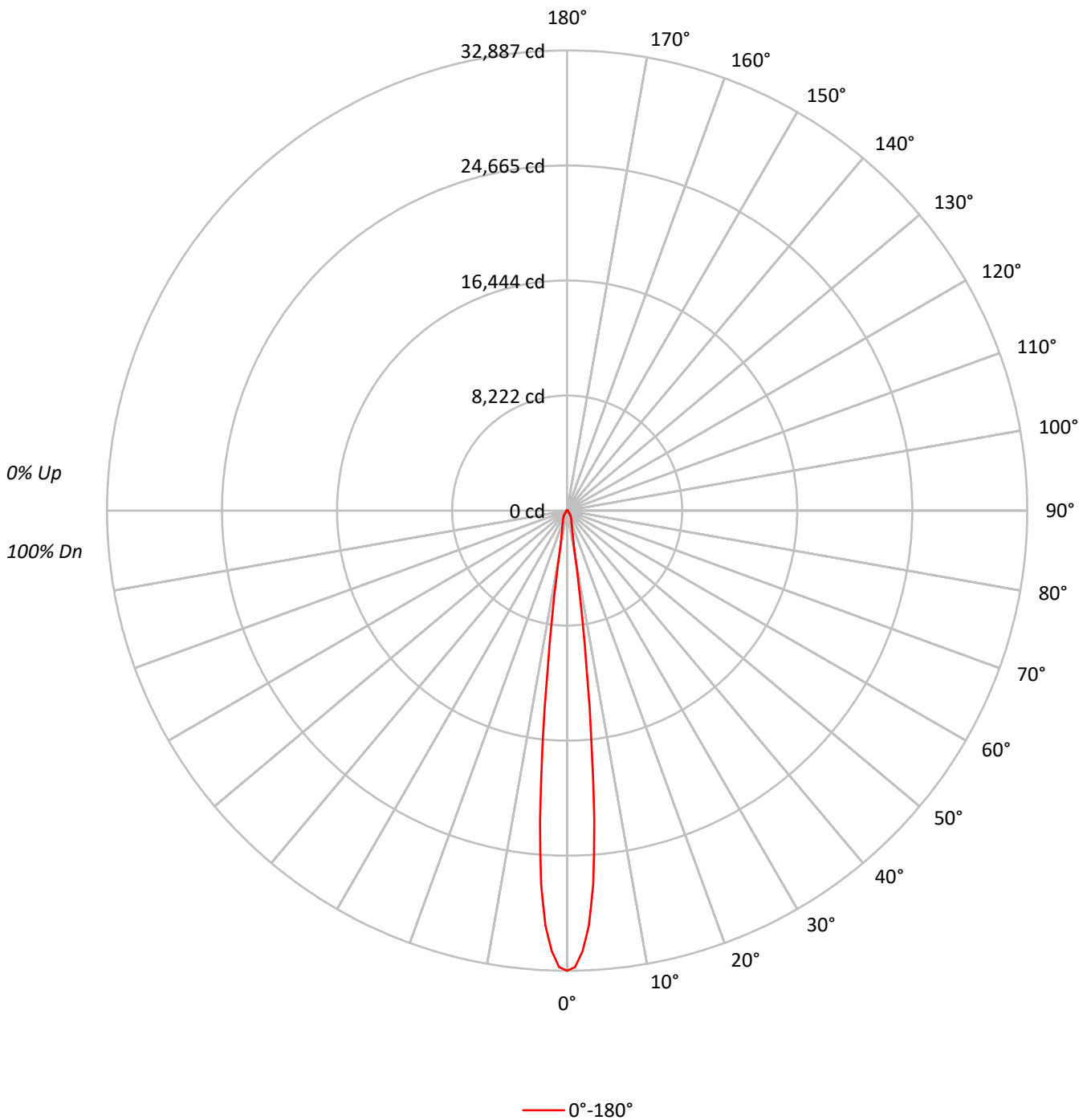
Lumens per Lamp: N/A
Luminaire Lumens: 2497.5 lumens
Efficiency: N/A
Efficacy: 73.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
Input Voltage (V): NR
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	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	99	96	105	101	98	95	99	96	93		96	94	92		94	92	91	89
4	104	98	94	91	102	97	93	91	95	92	90		93	91	89		92	89	88	86
5	101	95	91	87	99	94	90	87	92	89	86		91	88	86		89	87	85	84
6	98	92	88	84	97	91	87	84	90	86	84		88	85	83		87	85	83	82
7	95	89	85	82	94	88	85	82	87	84	81		86	83	81		85	83	81	80
8	93	87	83	80	92	86	82	80	85	82	79		84	81	79		84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4615350
5°	3134062
10°	478673
15°	202099
20°	132620
25°	107464
30°	85076
35°	61162
40°	37006
45°	20839
50°	11790
55°	11500
60°	12069
65°	11955
70°	4924
75°	1084
80°	5657
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1365.8	54.7
10°-20°	418.1	16.7
20°-30°	315.8	12.6
30°-40°	221.8	8.9
40°-50°	84.6	3.4
50°-60°	40.9	1.6
60°-70°	34.8	1.4
70°-80°	11.7	0.5
80°-90°	3.9	0.2
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°	2099.7	84.1
0°-40°	2321.5	93.0
0°-60°	2447.0	98.0
0°-90°	2497.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2497.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32887	
5°	22247	###
15°	1391	418
25°	694	316
35°	357	222
45°	105	85
55°	47	41
65°	36	35
75°	2	12
85°	0	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	32887
1°	32636
2°	31521
3°	29688
4°	26737
5°	22247
6°	16683
7°	11593
8°	7702
9°	4974
10°	3359
11°	2475
12°	2022
13°	1729
14°	1535
15°	1391
17.5°	1113
20°	888
22.5°	770
25°	694
27.5°	600
30°	525
32.5°	446
35°	357
37.5°	272
40°	202
42.5°	144
45°	105
47.5°	68
50°	54
52.5°	56
55°	47
57.5°	32
60°	43
62.5°	55
65°	36
67.5°	23
70°	12
72.5°	30
75°	2
77.5°	3
80°	7
82.5°	7
85°	0
87.5°	4



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CANDELA DISTRIBUTION (continued):

90° | ————— 0°
 0

(END OF REPORT)