

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: P201173

Luminaire Tested: **L806XHOSP8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P201173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23109)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOSP8030
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE WITH SPOT OPTIC

Light Source: EATON LED 3000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

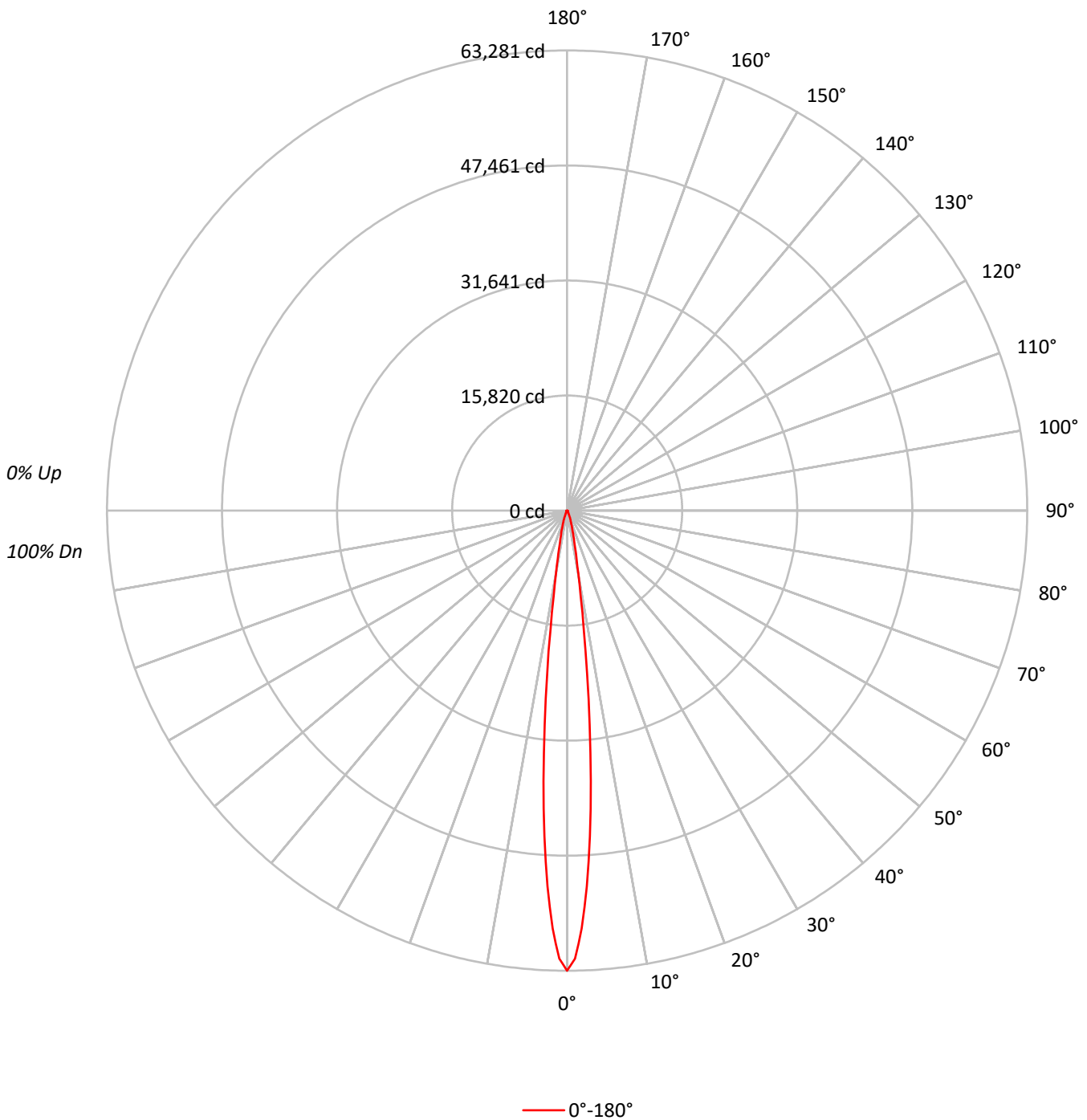
Lumens per Lamp: N/A
Luminaire Lumens: 4144.9 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.2 / 0.2 / 0.2
Luminous Opening: Circular (Dia: 0.27' x H: 0')
CIE Type: Direct

Input Watts (W): 47.5
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	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	98	96	95	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91
4	105	100	96	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	103	97	93	91	101	96	93	90	95	92	89	93	91	89	92	90	88	87
6	100	95	91	88	99	94	91	88	93	90	87	92	89	87	91	88	86	85
7	98	93	89	86	97	92	89	86	91	88	86	90	87	85	89	87	85	84
8	97	91	87	85	96	90	87	84	89	86	84	89	86	84	88	85	84	83
9	95	89	86	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81
10	93	88	84	82	93	87	84	82	87	84	82	86	83	81	85	83	81	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	11823697
5°	7003374
10°	1666018
15°	581057
20°	254707
25°	109697
30°	60582
35°	38753
40°	34659
45°	24283
50°	21161
55°	27656
60°	36285
65°	36783
70°	36001
75°	33785
80°	24210
85°	11148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2540.8	61.3
10°-20°	922.9	22.3
20°-30°	273.5	6.6
30°-40°	112.2	2.7
40°-50°	80.8	2.0
50°-60°	76.8	1.9
60°-70°	82.9	2.0
70°-80°	49.1	1.2
80°-90°	5.9	0.1
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°	3737.2	90.2
0°-40°	3849.4	92.9
0°-60°	4007.0	96.7
0°-90°	4144.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4144.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	63281	
5°	37340	###
15°	3004	923
25°	532	273
35°	170	112
45°	92	81
55°	85	77
65°	83	83
75°	47	49
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	63281.4
1°	61613.9
2°	57469.4
3°	51775.3
4°	44909.5
5°	37340.0
6°	29605.7
7°	22530.2
8°	16456.5
9°	11897.8
10°	8781.2
11°	6728.9
12°	5356.1
13°	4388.9
14°	3633.1
15°	3003.9
17.5°	1877.2
20°	1281.0
22.5°	816.4
25°	532.1
27.5°	348.4
30°	280.8
32.5°	201.1
35°	169.9
37.5°	142.1
40°	142.1
42.5°	126.5
45°	91.9
47.5°	95.3
50°	72.8
52.5°	79.7
55°	84.9
57.5°	91.9
60°	97.1
62.5°	86.7
65°	83.2
67.5°	83.2
70°	65.9
72.5°	53.7
75°	46.8
77.5°	41.6
80°	22.5
82.5°	5.2
85°	5.2
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)