

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: P257073

Luminaire Tested: **L806XHOSP8030MB**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257073
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: L806XHOSP8030MB
Description: HALO LED EXTRA HIGH OUTPUT TRACK FIXTURE 06 WITH SPOT OPTIC, MATTE BLACK
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1805-754-5)
Light Source: (15) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRICAL DRIVER

Summary

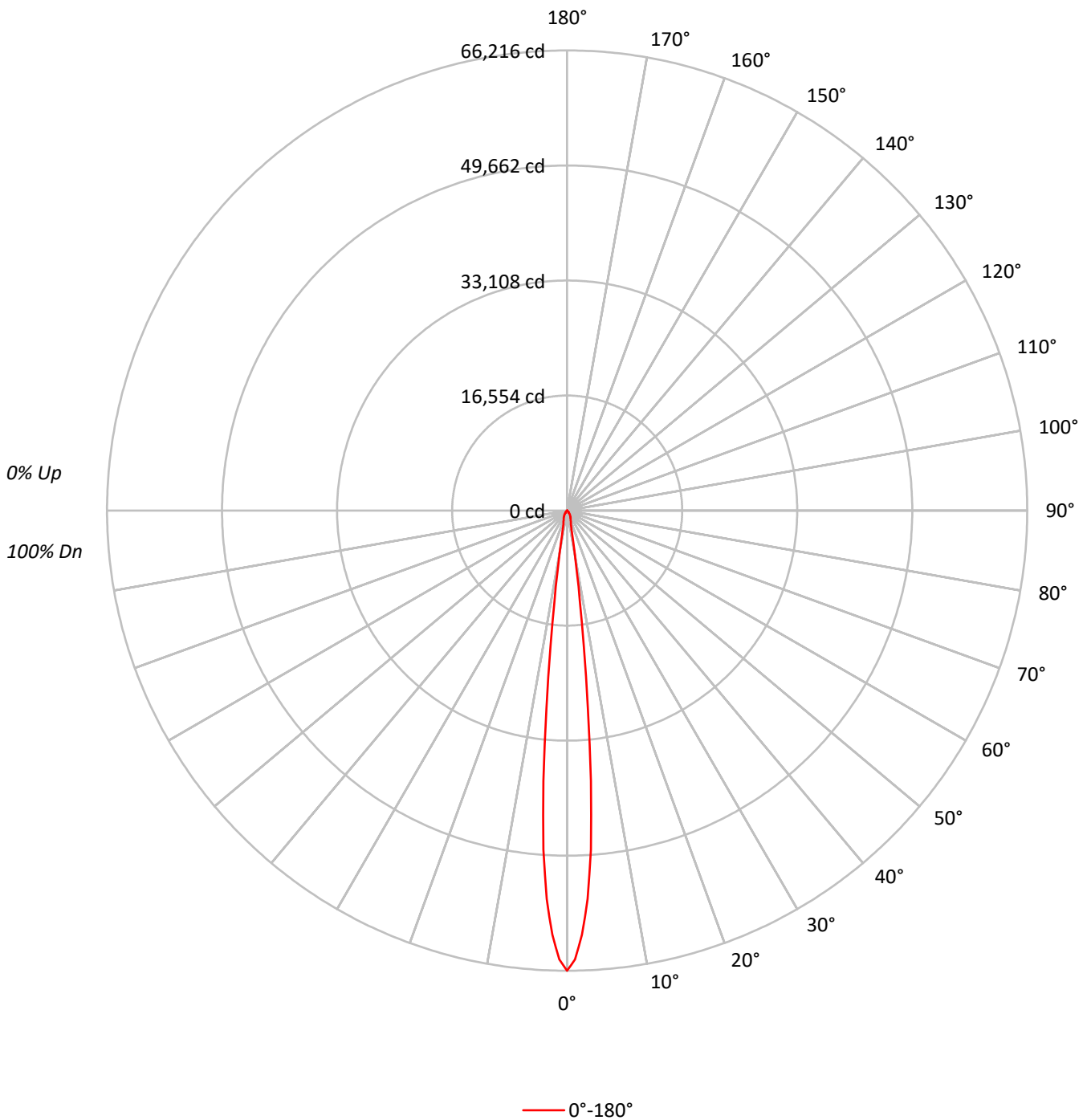
Lumens per Lamp: N/A
Luminaire Lumens: 4301.0 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.18
Luminous Opening: Circular (Dia: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 47.3
Input Voltage (V): 120
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	107	107	105	104		103	102	101		100	99	98	97
2	111	107	104	102	109	106	103	101	103	101	99		100	98	97		97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94		97	95	93		95	93	91	90
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93	90	89	87
5	102	96	92	89	100	95	91	88	93	90	88		92	89	87		90	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83		88	85	82		87	84	82	81
8	94	88	84	81	93	87	84	81	87	83	81		86	83	81		85	82	80	79
9	92	86	82	79	91	85	82	79	85	81	79		84	81	79		83	81	79	78
10	90	84	80	78	90	84	80	78	83	80	78		82	79	77		82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	10667714
5°	6314051
10°	1017917
15°	351804
20°	254422
25°	204280
30°	161322
35°	115702
40°	69759
45°	36340
50°	20652
55°	23144
60°	19397
65°	12084
70°	10457
75°	11204
80°	7886
85°	2033



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2456.8	57.1
10°-20°	689.8	16.0
20°-30°	526.4	12.2
30°-40°	367.5	8.5
40°-50°	135.6	3.2
50°-60°	64.4	1.5
60°-70°	37.0	0.9
70°-80°	16.9	0.4
80°-90°	6.6	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°	3673.0	85.4
0°-40°	4040.5	93.9
0°-60°	4240.5	98.6
0°-90°	4301.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4301.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	66216	
5°	39043	###
15°	2109	690
25°	1149	526
35°	588	368
45°	160	136
55°	82	64
65°	32	37
75°	18	17
85°	1	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	66216.4
1°	64601.4
2°	61074.6
3°	55967.6
4°	48938.2
5°	39043.3
6°	28557.9
7°	19519.5
8°	13239.1
9°	8889.4
10°	6222.4
11°	4513.4
12°	3470.8
13°	2798.0
14°	2380.8
15°	2109.3
17.5°	1778.7
20°	1484.0
22.5°	1274.9
25°	1149.2
27.5°	1017.2
30°	867.2
32.5°	735.2
35°	588.3
37.5°	459.5
40°	331.7
42.5°	237.7
45°	159.5
47.5°	109.9
50°	82.4
52.5°	66.5
55°	82.4
57.5°	67.6
60°	60.2
62.5°	49.6
65°	31.7
67.5°	27.5
70°	22.2
72.5°	20.1
75°	18.0
77.5°	10.6
80°	8.5
82.5°	11.6
85°	1.1
87.5°	7.4



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)